Data Report for

Shenandoah Watershed Study
and
Virginia Trout Stream Sensitivity Study
22 May, 2008

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1 Data Reported

a) Analyses of Stream Samples (quarterly sample sites, weekly/episode sample sites, special project sites, if any, and synoptic survey sites, if any)
   Time period: 1 January 2005 through 31 December 2006
b) Daily Stream Discharge
   Time period: 1 January 2005 through 31 December 2006

2 Summary Description of Sampling Program

The reported data are for stream samples collected from forested mountain watersheds in Shenandoah National Park and western Virginia. The reported data include chemical analysis of water samples collected quarterly, weekly, and more-frequently during storm flows, and volatile residue analyses of water samples collected quarterly in Shenandoah National Park.

During this period samples were collected at 85 headwater stream sites in 23 western Virginia counties. Most of the streams drain National Forest, National Park or other public land. Quarterly samples were collected during the last seven days of January, April, July, and October. Weekly stream samples were collected at six sites in Shenandoah National Park. Continuous discharge measurements were collected at five sites in Shenandoah National Park. Flow-actuated episodic high-flow event samples were obtained at three sites in Shenandoah National Park.

A listing of all sites is provided in ***Appendix 1 – Collection sites***.

3 Data Collection and Analysis

Staff from the Department of Environmental Sciences at UVA (UVA), the Shenandoah National Park (SHEN), the USDA Forest Service (USDA), the Virginia Department of Game and Inland Fisheries (VDGIF), and volunteers from Trout Unlimited (TU) collected the samples at established sites.

Samples were collected in 500 mL low-density and 250 mL high-density polyethylene (Nalgene) bottles that were pre-washed with laboratory-grade detergent and hydrochloric acid and rinsed with de-ionized water. Prior to sample collection each bottle was rinsed three times with the sampled streamwater. Upon collection the samples were placed in insulated containers with refrigerant for delivery to the project laboratory at the Department of Environmental Sciences at the University of Virginia. Upon receipt at the laboratory, the samples minus an aliquot poured off for DOC and aluminum analysis (stream samples only) were preserved by addition of chloroform (0.5mL/500mL) and stored at ambient laboratory temperature (about 23 deg. C). DOC/aluminum aliquots were preserved by refrigeration. Analyses included major acid-base constituents and DOC. Samples from all projects were analyzed concurrently. Methods of analysis are summarized in ***Appendix 2 – Analytical Procedures Detailed, Sorted by ID***. All analyses were performed at the Department of Environmental Sciences, University of Virginia.

The North Fork of Dry Run, Paine Run, Piney River, Staunton River, and White Oak Run watersheds in Shenandoah National Park were gauged using standard methods of the U.S. Geological Survey (Rantz et al., 1982). Periods of missing gage data have been estimated using linear regression on discharge at other gauged sites within Shenandoah National Park.

4 Data Quality Assurance

Quality assurance of analysis of stream-water samples was obtained by charge ratio analysis, use of minimum detection and lower quantification limits, precision analysis, trip blank analysis, and analysis of reference samples. This section describes the results of these analyses and lists the minimum detection limits and lower quantification limits used during the period.

During this reporting period some improvement in charge ratio performance was observed due to implementation of new analytical methods, although implementation of all new methods occurred too late in the period to provide conclusive results. Detection limits compared favorably with objectives and improved after the implementation of the new analytical methods. Precision analysis based on analysis of field replicates was observed to be in-control except for nitrate. Trip blank analysis indicated a lack of contamination but did indicate a low level bias in the new analytical methods.

4.1 Charge ratio analysis

Charge ratio for the samples is defined as the sum of anions divided by the sum of base cations. The sum of anions (SAA) is calculated as

$SAA = [SO_4^{2-}] + [CL^-] + [NO_3^-] + [ANC]$

The sum of base cations (SBC) is calculated as

$SBC = [Ca^{2+}] + [Mg^{2+}] + [Na^+] + [K^+] + [NH_4^+]$

or as

$SBC = [Ca^{2+}] + [Mg^{2+}] + [Na^+] + [K^+]$

for cases where NH4 was not measured. Over the life of this project several different instruments and methods have been used to measure anions, cations, and ANC, and so analysis of charge ratio statistics requires a division of the data into groups corresponding to the different methods used. The methods used during this reporting period are listed in Table 1.

To calculate SAA and SBC when one or more of the characteristics had a censored value, we substituted either one half of the MDL or one half of the sum of the MDL plus LQL, depending on whether the value determined was below the MDL or below the LQL, respectively.

Table 1: Methods used to calculate charge ratio

Charge ratio variable name	Description
IONRATIO_2PT_IC1_AA_AUTO	sum of anions by IC1 and manual 2-point titration / sum of cations by AA, collected by automated sampler
IONRATIO_2PT_IC1_AA_GRAB	sum of anions by IC1 and manual 2-point titration / sum of cations by AA, collected by hand
IONRATIO_2PT_IC2_AUTO	sum of anions by IC2 and manual 2-point titration / sum of cations by IC2, collected by automated sampler
IONRATIO_2PT_IC2_GRAB	sum of anions by IC2 and manual 2-point titration / sum of cations by IC2, collected by hand
IONRATIO_MET_IC2_AUTO	sum of anions by IC2 and titration by Metrohm auto-titrator/ sum of cations by IC2, collected by automated sampler
IONRATIO_MET_IC2_AUTO	sum of anions by IC2 and titration by Metrohm auto-titrator/ sum of cations by IC2, collected by hand

The capability of a process to fall within specified limits is often quantified using the C_p or C_{pk}, also known as process capability ratios. The formulas for C_p and C_{pk} are:

$$C_p = \frac{USL - LSL}{6\sigma}$$

$$C_{pk} = \min\left(\frac{USL - \mu}{3\sigma}, \frac{\mu - LSL}{3\sigma}\right)$$

where *USL* and *LSL* are the upper specification limit and lower specification limit, respectively. When a process is “on target”, or no target is known, the C_p is appropriate. When the target is known or the process is off-target, the C_{pk} provides a better metric of the process’s ability to remain within specification limits. For an off-target process, the C_p provides a metric of the process’s ability to operate within limits corresponding to the on-target process. Generally, a C_p or C_{pk} in excess of 1.3 is desired, in excess of 1.0 is acceptable (Montgomery, 1997). Values less than 1.0 indicate a need for process improvement.

Lower and upper specification limits for charge ratio have been given in the literature (Newell and Hjort, 1991) as 0.85 and 1.15 for the Maine Region and 0.80 and 1.10 for the Catskills Region, respectively. We report statistics based on the Catskills Region

limits because they more-closely approximate the range we observe in our samples. We report both the C_p and the C_{pk} because of the uncertainty in what the target value should be. Confidence intervals for the C_p and the C_{pk} can be large for small sample size. Figures 1-3 graphically illustrate the frequency with which charge ratio fell within the target specification limits of 0.95±0.15 for the various measurement methods, and give a confidence interval for the C_p and the C_{pk}.

Two samples were rejected because their charge ratio was more then 5 standard deviations away from the mean calculated for their characteristic group. These are listed in Table 2. One sample that was more than 5 standard deviations from the group mean was not rejected because it was not unusual for that site.

Table 2: Charge ratio outliers

ORG ID	Station ID	Start Date	Start Time	REP NUM	LocCharNameCode	ratio	SAA	SBC	Total ions
SHEN	PAIN	07/08/2005	2:00	0	IONRATIO_2PT_IC1_AA_AUTO	1.61	226.20	140.62	366.83
SHEN	PINE	04/17/2006	16:00	0	IONRATIO_2PT_IC2_AUTO	0.57	333.52	580.73	914.26

Figure 1 shows charge ratio distributions for 512 samples (32% of the total) where charge ratio was determined using 2-point manual titration of ANC, atomic absorption analysis of cations, and ion chromatography analysis of anions. The means for both collection types of samples are considerably below the target value. Both C_p and C_{pk} are below the minimum acceptable value of 1.00, although it falls within the confidence intervals for C_p.

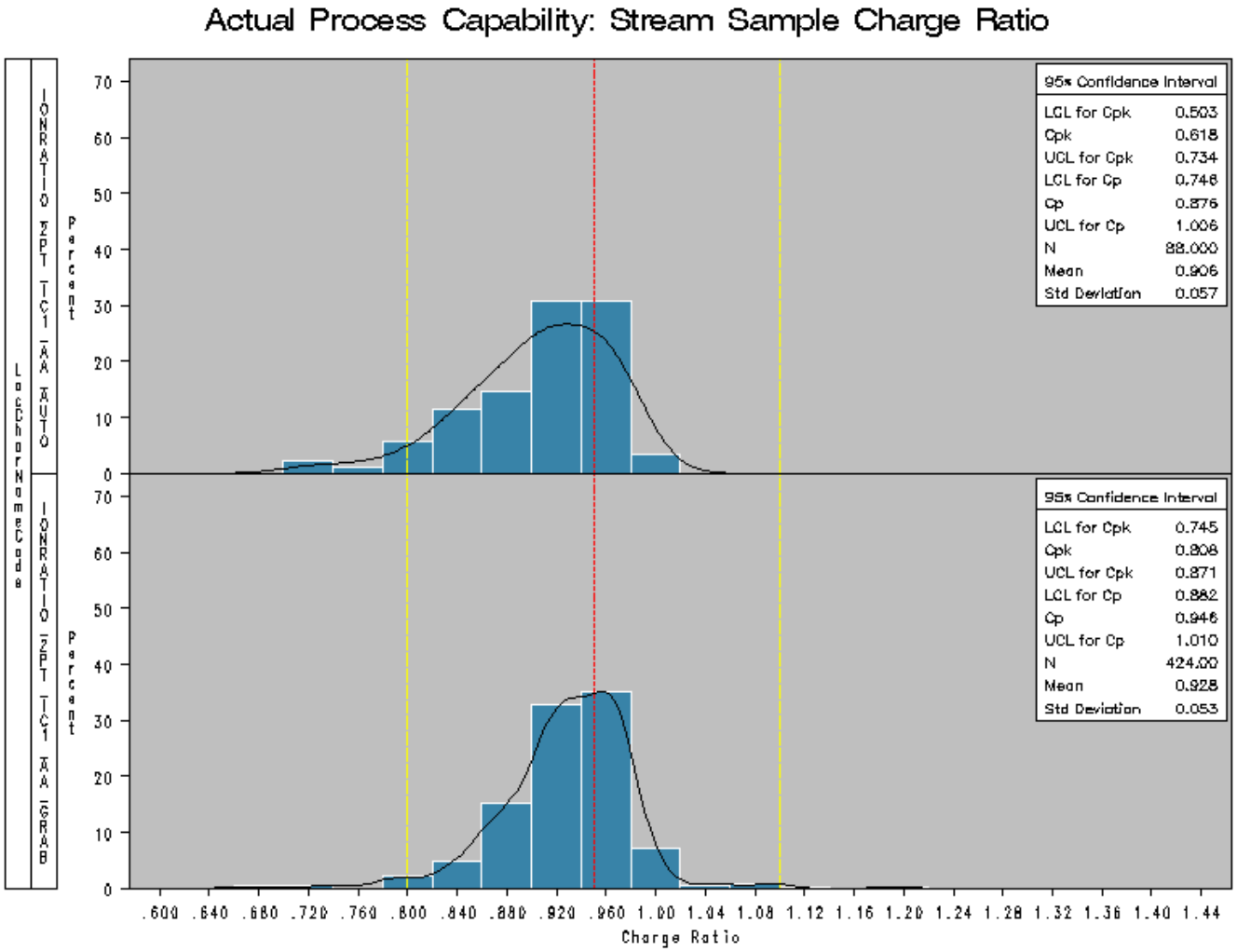


Figure 1: Distributions of charge balance ratio where charge concentrations were determined using 2-point manual titration for ANC, atomic absorption analysis for cations, and ion chromatography for anions. Upper plot: samples collected by auto-sampler. Lower plot: grab samples.

Figure 2 shows the distributions of charge ratio for 915 samples (57% of the total) analyzed using 2-point manual titration of ANC and using ion chromatography analysis for all ions. Again the means of these results are considerably below the target value. Both C_p and C_{pk} are below the minimum acceptable value of 1.00, although it falls within the confidence intervals for C_p for the automatically-collected samples. During October of 2006 all samples collected were analyzed for ANC using both the 2-point manual titration method and the auto-titrator. This resulted in two values for SAA and two values for charge ratio for each sample. Those results therefore appear both in Figure 2 and Figure 3, respectively.

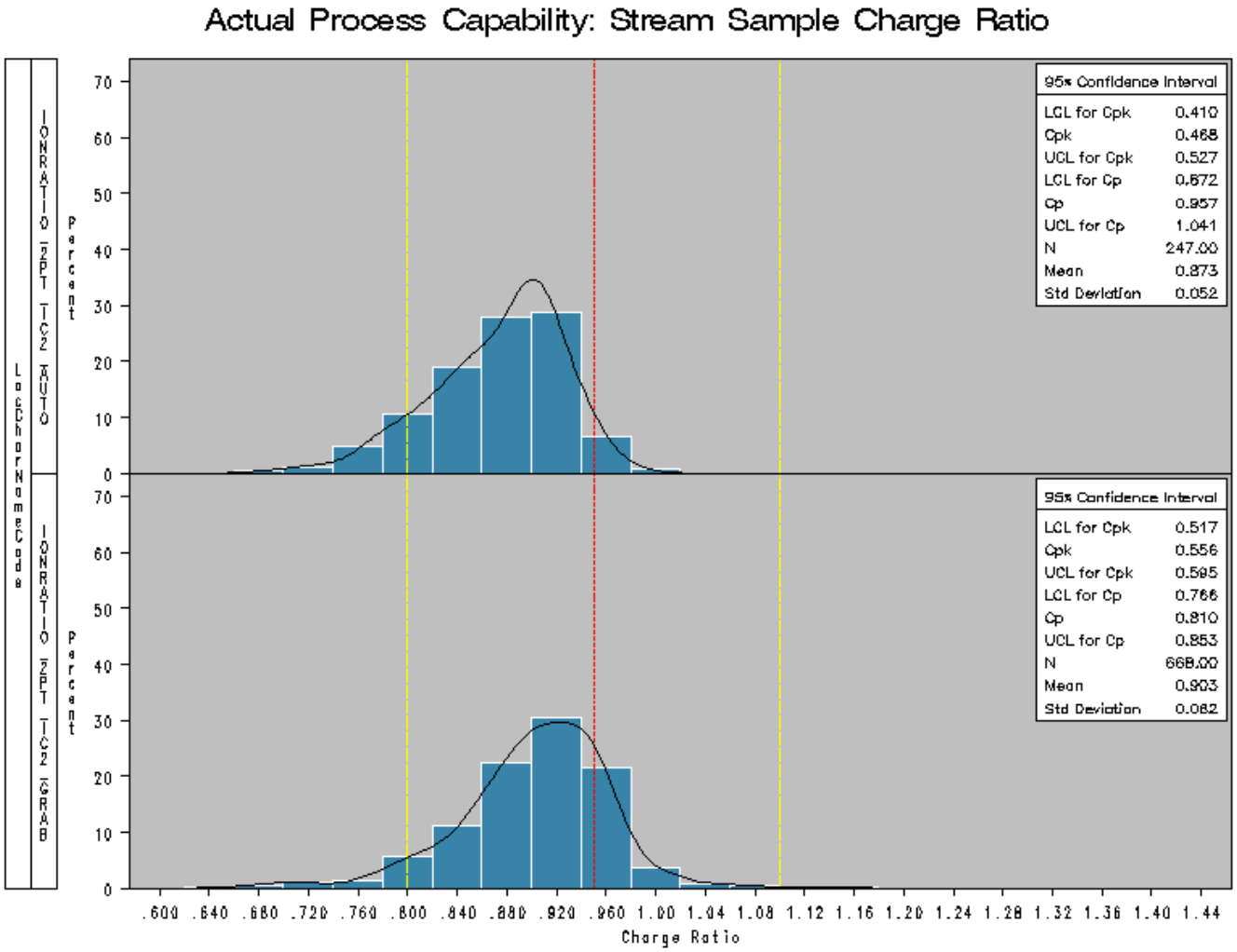


Figure 2: Distributions of charge balance ratio where charge concentrations were determined using 2-point manual titration for ANC, and ion chromatography for cations (including ammonium) and anions. Upper plot: samples collected by auto-sampler. Lower plot: grab samples.

Figure 3 shows the distributions of charge ratio for 185 samples (11% of the total) analyzed using auto-titration of ANC and using ion chromatography for all ions. In this case the means of these results bracket the target value. Both the C_p and the C_{pk} are above the minimum desirable value of 1.3 for the automatically-collected samples, although neither is above the acceptable value of 1.00 for the grab samples. The grab sample set includes two samples which appear as outliers in the figure, but were not outlying enough to meet the 5 standard deviation criteria for rejection. These two samples may be having an inordinate effect on the C_p and the C_{pk}, as otherwise the distribution appears to be equivalent to that for the automatically-collected set. This sample set is also rather small (N=60) compared to the others. It was expected that the

implementation of the auto-titrator and the new IC would improve charge ratio results, however, results from this implementation are mixed so far.

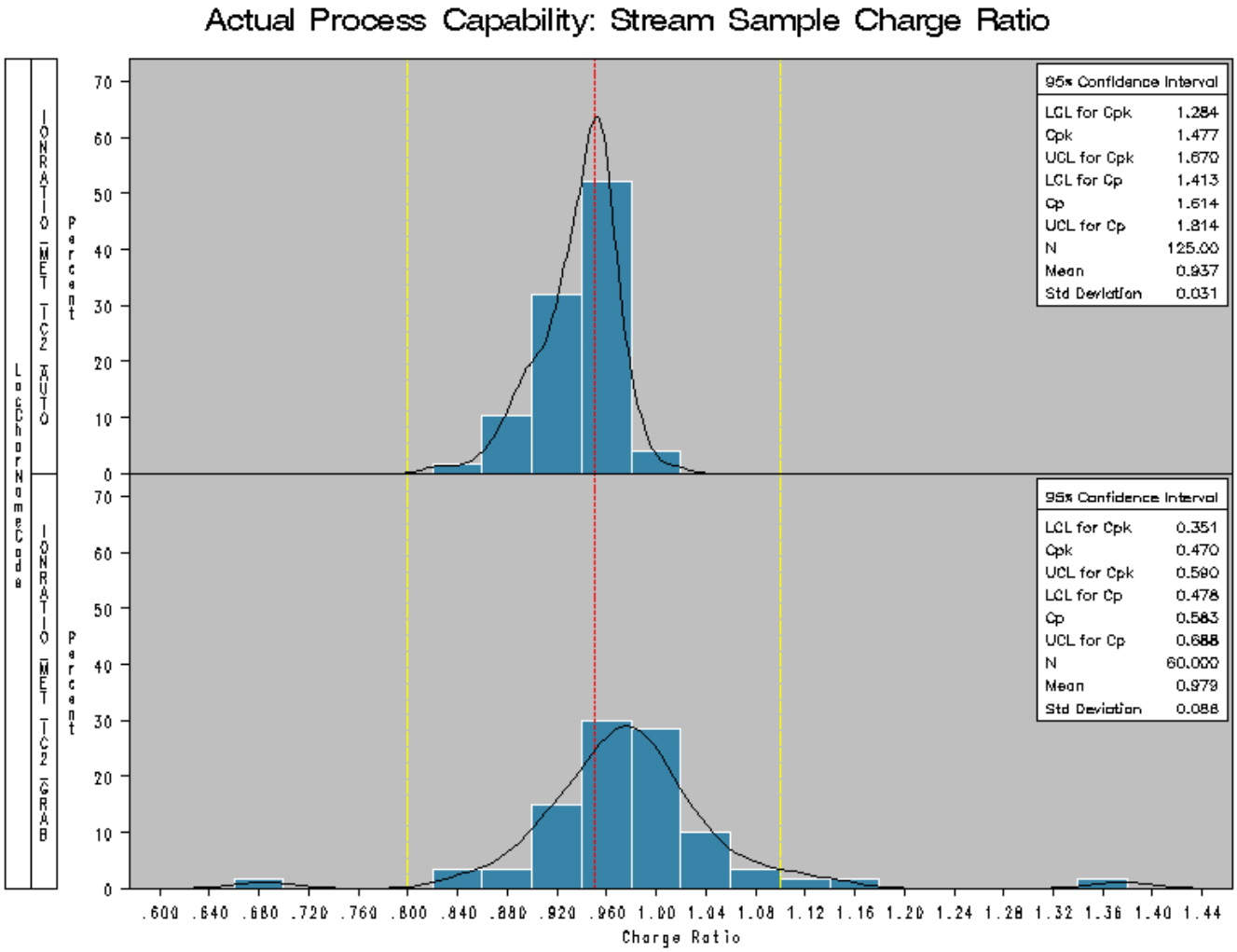


Figure 3: Distributions of charge balance ratio where charge concentrations were determined using auto-titration for ANC, and ion chromatography for cations (including ammonium) and anions. Upper plot: samples collected by auto-sampler. Lower plot: grab samples.

4.2 Minimum detection and lower quantification limits

In ***Appendix 3 – MDLs and LQLs used*** we report the minimum detection limits (MDLs) and lower quantification limits (LQLs) actually used during the 2005-2006 reporting period. MDLs and LQLs were calculated using historical analysis of de-

ionized water and/or 1% solution prepared samples. The MDL is a function of the standard deviation of the *n* analyzed samples, the number of samples, and the t-distribution, as follows: *MDL = s*t,* where *s* is the sample standard deviation and *t* is the 99th quantile from a t-distribution with *n-1* degrees of freedom. The LQL is defined as 3.18 times the MDL.

Table 3 summarizes detection limits determined for both the old and new methods used by UVA during the reporting period, and compares them with detection limit objectives suggested in Newell and Hjort (1991). All detection limits for the new methods meet those objectives. Detection limits for calcium and sulfate did not meet the objectives for the old method, but were only marginally above. The detection limit for silica is also marginally above the objective. Most field results for those three characteristics are well above the lower quantification limit, however, so this failure does not appear to be of consequence.

Table 3: Detection limit summary

Analyte	Objective (from Table 4)	Old method	New method
Chloride	1.0	0.569	0.076
Nitrate	0.5	0.201	0.081
Sulfate	1.0	**1.021**	0.310
Calcium	1.0	**1.269**	0.468
Magnesium	1.0	0.578	0.218
Sodium	1.0	0.710	0.029
Potassium	1.0	0.249	0.029
Aluminum	10.0	1.524	No method change
Ammonium	1.0	0.420	0.013
Silica	0.84	**1.051**	No method change

4.3 Precision analysis

Precision was verified by collecting replicate samples during each of the quarterly sampling windows at five locations each quarter. These locations are rotated randomly so that all seasons are sampled at each site over time. During the period 2005-2006 37 replicate samples were analyzed. The detailed results are given in ***Appendix 4 – Precision Analysis – All***. We use specification limits given in the last column of Table 4, adapted from Newell and Hjort (1991), to assess performance.

Table 4: Quality Assurance Objectives: Analytical Detection Limits, Precision, and Accuracy Objectives

Variable	Reporting Units	Detection Limit	Concentration Range	Precision[1] and Accuracy[2] Objectives	$x\sqrt{2}$ for duplicate differences and RPD
pH, field, closed system or equilibrated	pH units	na	≤ 5.75 > 5.75	±0.075 ±0.15	±0.106 ±0.21
ANC	µeq/L	na	≤ 100 > 100	±5 ±5%	±7 ±7%
Conductivity	µS/cm	na	≤ 50 > 50	±1.0 ±2%	±1.4 ±3%
Color	PCU	na	≤ 50 > 50	±5 ±10%	±7 ±14%
Cl^-	µeq/L	1.0	≤ 20 > 20	±1.0 ±5%	±1.4 ±7%
NO_3^-	µeq/L	0.5	≤ 10 > 10	±0.5 ±5%	±0.7 ±7%
SO_4^{2-}	µeq/L	1.0	≤ 20 > 20	±1.0 ±5%	±1.4 ±7%
Ca, Mg, Na, K	µeq/L	1.0	≤ 20 > 20	±1.0 ±5%	±1.4 ±7%
Al, total dissolved, and total and organic monomeric	µg/L	10	≤ 100 > 100	±10 ±10%	±14 ±14%
DOC and DIC	mg/L	0.1	≤ 1 > 1	±0.1 ±10%	±0.14 ±14%
NH_4	µeq/L	1.0	≤ 20 > 20	±1.0 ±5%	±1.4 ±7%
SiO_2	mg/L	0.05 (0.84 µM/L)	≤ 1 (17 µM/L) > 1 (17 µM/L)	±0.05 (0.84 µM/L) ±5%	±0.07 (1.17 µM/L) ±7%

[1] The precision objectives are based on the standard deviation of repeated measurements at lower concentrations, and as percent relative standard deviation at higher concentrations. If the difference between duplicates or the relative percent difference (RPD) is used to estimate precision, modify the above objectives so that they are also based on the difference and RPD. The objectives are modified by multiplying by $\sqrt{2}$.

[2] Accuracy is estimated as the difference between measured and target values of samples of known concentration at lower concentrations, and as percent difference at higher concentrations.

Table 5 gives precision results for all characteristics and for those characteristics where results fell outside of the specification limits given in Table 4. Under the null hypothesis that even when in a process is in control, a small percentage of results will fall outside of the specification limits, we calculate the probability of getting *k* or more defects. If this probability is significant, say 0.05 or greater, then the number of defects seen does not suggest the null hypothesis should be rejected. We assume results are independent and use a common individual probability of 0.003 (3 out of a thousand) that an individual result could be outside of the specification limits even when the process is in control.

Table 5: Precision results summary

Characteristic	Defects (k)	total	Percent defective	Probability of k or more outside of specification limits given acceptable individual probability of 0.003
ANC	1	42	2.38%	0.1186
calcium	0	37	0.00%	0.1052
chloride	0	37	0.00%	0.1052
conductivity	0	37	0.00%	0.1052
potassium	0	37	0.00%	0.1052
magnesium	0	37	0.00%	0.1052
sodium	0	37	0.00%	0.1052
ammonium	0	1	0.00%	**0.0030**
nitrate	5	8	62.50%	**0.0000**
pH	1	42	2.38%	0.1186
silica	0	37	0.00%	0.1052
sulfate	1	37	2.70%	0.1052
Monomeric aluminum, organic fraction	0	1	0.00%	**0.0030**
Total monomeric aluminum	0	9	0.00%	**0.0267**
ALL	8	399	2.01%	**0.0000**
ALL minus nitrate	3	391	0.77%	0.1144

Table 5 indicates that excluding nitrate, precision of analyses performed in the UVA lab during the period was in-control (p=0.1144). It should be pointed out that the low total number of analyses for nitrate resulted from the fact that most of the results were below the MDL or LQL, rendering them unsuitable for precision analyses. Several other characteristics, while having a significant probability of being out-of-control, had no defective results but had an insufficient total number of analyses to establish statistically that they were in control. In the case of ammonium, this is because most results were censored. In the case of aluminum, not many samples were actually analyzed.

4.4 Trip blank analysis

Trip blanks are sample bottles filled with de-ionized water that are carried to sample site locations, returned, and analyzed to test for system-wide contamination. One trip blank is analyzed during each quarterly sampling window. During 2005-2006 8 trip blanks were analyzed. The detailed results of trip blank analysis are given in ***Appendix 5 - Trip Blank Summary Statistics - Period of Record***.

Except for ANC, pH, and conductivity, trip blank results should be less than the MDL. Results above the MDL indicate contamination or some bias in the measurement process, although that bias may only be applicable at low levels.

Table 6: Trip blank analysis summary

Variable	Count	Censored	< MDL	< LQL	≥ LQL	# of defects (k)	% defective	Probability K≥k under H_0
All except pH, ANC, conductivity	80	56	48	8	24	32	40.00%	0.0000
By AA	12	12	12	0	0	0	0.00%	0.0354
By IC1	9	9	9	0	0	0	0.00%	0.0267
By IC2	40	16	11	5	24	29	72.50%	0.0000
By TC	19	19	16	3	0	3	15.79%	0.0000

Table 6 indicates that the old measurement methods for cations and anions (AA and IC1) had zero instances of results above MDL, although insufficient analyses to establish statistically that the process was contamination-free. The new method (IC2) had a substantial number of results above MDL. We conclude that all of the trip blanks were contamination-free, but that the new methodology has a low-level bias. The method of analysis of silica and aluminum by Technicon (TC) did not change during the period; we conclude that the statistically high number of defects in the trip blanks for these characteristics is due to low-level bias.

4.5 Reference samples

Reference samples were analyzed during all analysis sessions for pH, alkalinity, conductivity, cations, anions, aluminum, DOC, ammonium, and silica. During this period the instrumentation used in UVA lab analyses was replaced, so analysis results for reference samples are summarized in ***Appendix 6 - old Lab QC results*** and in ***Appendix 7 - new Lab QC results***.

4.6 Inter-laboratory Quality Assurance:

The project laboratory at the Department of Environmental Sciences at the University of Virginia participates in inter-laboratory quality assurance (QA) studies administered by Environment Canada's National Water Research Institute (NWRI). Environmental programs in both the United States and Canada participate in these studies which are designed for laboratories analyzing acid rain and surface waters. The purpose of these QA studies is to provide a useful means of quantifying laboratory performance and data quality. The QA report for each study includes an assessment of any systematic bias and indicates any results flagged as a result of poor precision. A bias of greater than 5% is considered excessive by NWRI for most parameters in the studies. A result is flagged if its value is beyond that of the median (target) plus or minus the acceptable difference. The acceptable difference is calculated by NWRI using the following formula:

(Target - LLBAE) x CEI + BAE, where

LLBAE = Lower Limit for use of Basic Acceptable Error
CEI = Concentration Error Increment
BAE = Basic Acceptable Error
(The values for these terms are determined by NWRI.)

Each study consists of ten samples, which are analyzed by the project laboratory by the same means as the project samples and usually included in analysis sessions along with project samples. The analysis results are then reported to the NWRI. We report results for the studies in which the project laboratory has participated to date in Table 7.

Table 7: Project Laboratory Results for NWRI Inter-laboratory Quality Assurance Studies

Study Date	pH - manual	pH- titrator	specific conductance	Alkalinity – manual (2-point)	Alkalinity – titrator (11 point)	chloride	nitrate	sulfate	ammonia	reactive silica	sodium	potassium	calcium	magnesium	Dissolved organic carbon
10-MAY-94	A	N	A	N	N	A	A	A	A	A	A	A	A	A	N
15-JAN-95	A	N	1	A	N	2	A	A	A	3	A	A	A	4	N
05-SEP-95	A	N	A	A	N	A	A	A	N	A	A	A	A	A	N
01-SEP-96	A	N	A	A	N	A	A	A	A	A	5	A	A	A	N
02-SEP-97	A	N	A	A	N	A	A	A	A	A	A	A	A	A	N
01-SEP-98	A	N	A	A	N	A	A	A	6	A	A	A	A	A	N
01-SEP-99	A	N	A	A	N	A	A	A	7	A	A	A	A	A	N
28-AUG-00	A	N	A	A	N	A	A	A	A	8	A	A	A	A	N
27-AUG-01	A	N	A	A	N	A	A	A	9	10	A	A	A	11	N
03-SEP-02	A	N	12	A	N	A	A	A	A	13	A	A	A	A	N
01-JUN-04	A	N	A	A	N	A	A	A	A	A	A	A	A	A	N
01-DEC-05	A	N	A	A	N	A	A	A	A	A	A	A	A	A	N
01-DEC-06	14	A	A	A	A	A	A	A	A	A	A	A	A	A	N
01-DEC-07	N	A	15	N	A	A	A	A	A	A	A	A	A	A	A

Notes:

A) Acceptable

N) No results

1) Although no results are flagged, ranking indicates a slight bias low.
2) Although no results are flagged, ranking indicates a slight bias low. After these results were submitted, the ion chromatography column used for chloride analyses was replaced.
3) Acceptable, except for high on one out of ten samples.
4) Although no results are flagged, ranking indicates a slight bias high.
5) Flagged very high on one out of ten samples. This was due to a calculation error made after analysis.
6) Two out of 10 samples flagged: one extremely low, one low.
7) Two out of 10 samples flagged: both very low.
8) Flagged extremely low on one sample out of 10.
9) Three out of 10 samples flagged: one extremely low, one very low, and one low.

10) Satisfactory, except for low on one out of 10 samples.

11) Flagged extremely high on one sample out of 10.

12) Four out of 10 samples flagged low. Ranking indicates a low bias: -4.64%, blank – 0.3536.

13) Two out of 10 samples flagged: one very low, one low.

14) Ranking indicates a high bias: 8.50%, blank: -0.4069.

15) Ranking indicates a low bias: -9.10%, blank: 0.3390. Four out of 10 samples flagged as low: three action flags and one warning flag.

5 Data Files and Appendices

Analysis results are provided on CD in Excel format. Sample data and discharge, along with data definitions, are provided in spreadsheets

1) Export_Results.xls
2) flow.xls

Printouts of chemical analysis results are provided in ***Appendix 8 - Results Detailed***

Appendices appear in related files. Adobe Acrobat Reader or equivalent software is required to read them.

5.1 Appendix 1 – Collection Sites

5.2 Appendix 2 – Analytical Procedures Detailed, Sorted by ID

5.3 Appendix 3 – MDLs and LQLs used

5.4 Appendix 4 – Precision Analysis – All

5.5 Appendix 5 - Trip Blank Summary Statistics - Period of Record

5.6 Appendix 6 - old Lab QC results

5.7 Appendix 7 - new Lab QC results

5.8 Appendix 8 - Results Detailed

6 References

Hirsch, R.M. and Slack, J.R., 1984. A nonparametric trend test for seasonal data with serial dependence. *Water Resources Research*, 20(6), 727-732.

Montgomery, D.C., 1997, *Introduction to Statistical Quality Control, Third Edition*, John Wiley & Sons, Inc., New York.

Newell, Avis D. and Randy Hjort, 1991, *Data User's Guide to the United States Environmental Protection Agency's Long-term Monitoring Project: Quality Assurance Plan and Data Dictionary*, Environmental Research Laboratory, EPA, Corvallis, OR.

Rantz, S. E., *et al.,* 1982. Measurement and computation of streamflow: Volume 1. Measurement of stage and discharge. *U.S. Geol. Surv. Water-Supply Paper 2175*, U.S. Geological Survey, Washington, DC.

Appendix 1: Stream collection sites visited during 2005 and 2006

Organization	StationID	Station Name	County	HUC	Decimal Degrees Latitude	Latitude Direction	Decimal Degrees Longitude	Longitude Direction	Elevation	Elevation Units
SHEN	BR01	TRIB OF BIG RUN	ROCKINGHAM	02080103	38.27044	North	78.69283	West	1429	ft
SHEN	DR01	DEEP RUN	ROCKINGHAM	02070005	38.2791	North	78.7636	West	1360	ft
SHEN	MAD2	MADISON RUN	ROCKINGHAM	02070005	38.2515	North	78.7463	West	1460	ft
SHEN	NFDR	NF OF THE DRY RUN	PAGE	02070005	38.634	North	78.3516	West	1600	ft
SHEN	PAIN	PAINE RUN	AUGUSTA	02070005	38.198	North	78.7917	West	1390	ft
SHEN	PINE	PINEY RIVER	RAPPAHANNOCK	02080103	38.7134	North	78.2792	West	1180	ft
SHEN	STAN	STAUNTON RIVER	MADISON	02080103	38.445	North	78.3712	West	1010	ft
SHEN	VT36	MEADOW RUN	AUGUSTA	02070005	38.1587	North	78.8059	West	1480	ft
SHEN	VT51	JEREMYS RUN	PAGE	02070005	38.7155	North	78.3815	West	930	ft
SHEN	VT53	TWO MILE RUN	ROCKINGHAM	02070005	38.3339	North	78.6711	West	1220	ft
SHEN	VT58	BROKENBACK RUN	MADISON	02080103	38.5705	North	78.3044	West	1080	ft
SHEN	VT61	NORTH FORK THORNTON RIVER	RAPPAHANNOCK	02080103	38.7078	North	78.30484	West	1100	ft
SHEN	VT62	HAZEL RIVER	RAPPAHANNOCK	02080103	38.62434	North	78.29272	West	1080	ft
SHEN	VT66	ROSE RIVER	MADISON	02080103	38.52215	North	78.40229	West	1120	ft
SHEN	VT75	WHITE OAK CANYON RUN	MADISON	02080103	38.56728	North	78.36495	West	1160	ft
SHEN	WOR1	WHITE OAK RUN	ROCKINGHAM	02080204	38.249	North	78.7481	West	1480	ft
UVAVTSSS	BW01	BIG WILSON CREEK	GRAYSON		36.65458	North	81.49626	West	4345	ft
UVAVTSSS	BW02	BIG WILSON, EAST FORK	GRAYSON		36.65486	North	81.49547	West	4326	ft
UVAVTSSS	BW03	BIG WILSON ABOVE QUEBEC BRANCH	GRAYSON		36.64935	North	81.49367	West	4290	ft
UVAVTSSS	BW04	BIG WILSON CREEK MIDWAY UP MTN	GRAYSON		36.64413	North	81.48525	West	3797	ft
UVAVTSSS	BW05	BIG WILSON ABOVE WILBURN BRANCH	GRAYSON		36.6377	North	81.4757	West	3560	ft
UVAVTSSS	BW06	BIG WILSON CREEK BELOW LITTLE WILSON	GRAYSON		36.63624	North	81.47141	West	3550	ft
UVAVTSSS	CC02	CABIN CREEK	GRAYSON		36.63141	North	81.51935	West	4332	ft
UVAVTSSS	M002	LAUREL BED CREEK	RUSSELL	06010101	36.98433	North	81.76123	West	3560	ft
UVAVTSSS	M003	LAUREL BED LAKE	TAZEWELL	06010101	36.9631	North	81.80016	West	3520	ft
UVAVTSSS	M004	RED BRANCH	RUSSELL	06010101	36.93431	North	81.86191	West	2480	ft
UVAVTSSS	MC01	MILL CREEK	GRAYSON		36.61902	North	81.47098	West	3363	ft
UVAVTSSS	QB01	QUEBEC BRANCH	GRAYSON		36.64893	North	81.49433	West	3963	ft
UVAVTSSS	SK01	RAVENS RUN-UPPER	HIGHLAND		.	North	.	West	9999	ft
UVAVTSSS	SK02	RAVENS RUN-LOWER	HIGHLAND		.	North	.	West	9999	ft
UVAVTSSS	VT01	HELTON CREEK	GRAYSON	06010102	36.64954	North	81.56109	West	4000	ft
UVAVTSSS	VT02	LEWIS FORK	GRAYSON	06010102	36.67052	North	81.52493	West	3620	ft
UVAVTSSS	VT03	FOX CREEK	GRAYSON	05050001	36.69994	North	81.53071	West	3580	ft

Organization	StationID	Station Name	County	HUC	Decimal Degrees Latitude	Latitude Direction	Decimal Degrees Longitude	Longitude Direction	Elevation	Elevation Units
UVAVTSSS	VT04	LITTLE WILSON CREEK	GRAYSON	05050001	36.6562	North	81.46711	West	3500	ft
UVAVTSSS	VT05	RACCOON BRANCH	SMYTH	05050001	36.73927	North	81.44922	West	2740	ft
UVAVTSSS	VT06	ROWLAND CREEK	SMYTH	06010102	36.71349	North	81.56383	West	2585	ft
UVAVTSSS	VT07	COVE BRANCH	TAZEWELL	06010205	37.07178	North	81.43301	West	3050	ft
UVAVTSSS	VT08	ROARING FORK-UPPER	TAZEWELL	06010205	37.06426	North	81.41783	West	3050	ft
UVAVTSSS	VT09	ROARING FORK-LOWER	TAZEWELL	06010205	37.05479	North	81.45774	West	2180	ft
UVAVTSSS	VT10	LAUREL RUN	BATH	02080201	38.17628	North	79.67904	West	2380	ft
UVAVTSSS	VT11	MARE RUN	BATH	02080201	38.01344	North	79.78595	West	2030	ft
UVAVTSSS	VT12	PANTHER RUN	BATH	02080201	38.00731	North	79.77522	West	2030	ft
UVAVTSSS	VT14	LITTLE WILSON CREEK	BATH	02080201	37.98735	North	79.78839	West	1860	ft
UVAVTSSS	VT15	PORTERS CREEK	BATH	02080201	37.97904	North	79.78748	West	1980	ft
UVAVTSSS	VT16	N BR SIMPSON CREEK	ALLEGHANY	02080201	37.84745	North	79.6641	West	1400	ft
UVAVTSSS	VT18	BEARWALLOW RUN	HIGHLAND	05020004	38.54671	North	79.65472	West	3140	ft
UVAVTSSS	VT19	LOST RUN	HIGHLAND	05020004	38.54922	North	79.64397	West	3140	ft
UVAVTSSS	VT22	CORNELIUS CREEK	BOTETOURT	02080201	37.50915	North	79.54939	West	1460	ft
UVAVTSSS	VT23	FALLINGWATER CREEK	BOTETOURT	02080201	37.47601	North	79.58262	West	1660	ft
UVAVTSSS	VT24	SHAWVERS RUN	CRAIG	05050003	37.60028	North	80.17522	West	1860	ft
UVAVTSSS	VT25	COVE BRANCH	CRAIG	02080201	37.58366	North	80.16058	West	1840	ft
UVAVTSSS	VT26	PINE SWAMP BRANCH	GILES	05050002	37.43027	North	80.61275	West	2380	ft
UVAVTSSS	VT28	NF STONY CREEK	GILES	05050002	37.45991	North	80.54648	West	2740	ft
UVAVTSSS	VT29	WAR SPUR BRANCH	GILES	05050002	37.39533	North	80.49303	West	2320	ft
UVAVTSSS	VT31	NOBUSINESS CREEK	GILES	05050002	37.25451	North	80.87494	West	2410	ft
UVAVTSSS	VT32	LAUREL BRANCH OF STONY CREEK	GILES	05050002	37.37765	North	80.60282	West	3090	ft
UVAVTSSS	VT33	GUYS RUN	ROCKBRIDGE	02080202	37.91561	North	79.51184	West	1620	ft
UVAVTSSS	VT34	LAUREL RUN	ROCKBRIDGE	02080202	37.91587	North	79.47194	West	1270	ft
UVAVTSSS	VT37	NORTH RIVER	AUGUSTA	02070005	38.42119	North	79.26636	West	2660	ft
UVAVTSSS	VT38	RAMSEYS DRAFT	AUGUSTA	02080202	38.34589	North	79.33204	West	2320	ft
UVAVTSSS	VT39	KENNEDY CREEK	AUGUSTA	02070005	37.94571	North	79.0336	West	1840	ft
UVAVTSSS	VT40	MILLS CREEK	AUGUSTA	02070005	37.92627	North	79.0316	West	1980	ft
UVAVTSSS	VT41	ST MARYS RIVER-LOWER	AUGUSTA	02070005	37.92797	North	79.0921	West	1740	ft
UVAVTSSS	VT42	HUNTING CREEK	BEDFORD	02080203	37.53423	North	79.47957	West	1880	ft
UVAVTSSS	VT43	GREASY SPRING BRANCH	AMHERST	02080203	37.79388	North	79.16582	West	2460	ft
UVAVTSSS	VT44	GEORGES CREEK	AMHERST	02080203	37.7517	North	79.14969	West	1600	ft
UVAVTSSS	VT45	OTTER CREEK	AMHERST	02080201	37.64716	North	79.34842	West	1300	ft
UVAVTSSS	VT46	LITTLE COVE CREEK	AMHERST	02080203	37.73759	North	79.21085	West	1660	ft
UVAVTSSS	VT48	BIG MACK CREEK	PULASKI	05050001	36.94639	North	80.63489	West	2160	ft
UVAVTSSS	VT49	LITTLE STONY CREEK-LOWER	SHENANDOAH	02070006	38.95779	North	78.62706	West	1530	ft
UVAVTSSS	VT50	LAUREL RUN	SHENANDOAH	02070006	38.91843	North	78.72866	West	1720	ft
UVAVTSSS	VT52	MORGAN RUN	PAGE	02070005	38.51913	North	78.67898	West	1600	ft

Organization	StationID	Station Name	County	HUC	Decimal Degrees Latitude	Latitude Direction	Decimal Degrees Longitude	Longitude Direction	Elevation	Elevation Units
UVAVTSSS	VT54	GERMAN RIVER-UPPER	ROCKINGHAM	02070001	38.67387	North	79.07758	West	2500	ft
UVAVTSSS	VT56	WOLF RUN	ROCKINGHAM	02070005	38.43822	North	79.16923	West	1950	ft
UVAVTSSS	VT57	BLACK RUN-LOWER	ROCKINGHAM	02070005	38.51164	North	79.1095	West	1720	ft
UVAVTSSS	VT63	SHOE CREEK	NELSON	02080203	37.8128	North	79.09887	West	1420	ft
UVAVTSSS	VT64	CRABTREE CREEK	NELSON	02080203	37.83331	North	79.08212	West	1580	ft
UVAVTSSS	VT65	MEADOW CREEK	NELSON	02080203	37.83919	North	79.09159	West	1620	ft
UVAVTSSS	VT67	EF CHESTNUT CREEK-LOWER	CARROLL	05050001	36.5661	North	80.83304	West	2620	ft
UVAVTSSS	VT76	BELFAST CREEK	ROCKBRIDGE	02080201	37.57831	North	79.47568	West	1040	ft
UVAVTSSS	VT77	MATTS CREEK	BEDFORD	02080201	37.58837	North	79.4327	West	840	ft
UVAVTSSS	VT78	LITTLE TUMBLING CREEK	TAZEWELL	06010205	36.95726	North	81.73801	West	2620	ft
UVAVTSSS	VT81	EF CHESTNUT CREEK-UPPER	GRAYSON		.	North	.	West	0	ft
UVAVTSSS	WB01	WILBURN BRANCH	GRAYSON		36.63739	North	81.47576	West	3563	ft

NPSTORET Analytical Procedures

Shenandoah National Park *Sorted by ID*

ID: ALUMINUM_TCON **Name:** Colorimetric procedure for aluminum using the Technicon Autoanalyzer II
Org/Nat: ORG **Specific Equipment:**
Description: Colorimetric detection with open-system samples by pyrocatechol violet technique. Fractionation with ion-exchange resin.
Source: Shenandoah National Park
Citation:
Characteristics: Aluminum, Organic + Inorganic Monomeric (reactive aluminum): T_AL_TC_AutoStream
Aluminum, Organic + Inorganic Monomeric (reactive aluminum): T_AL_TC_Grab
Aluminum, Organic Monomeric (reactive aluminum): O_AL_TC_AutoStream
Aluminum, Organic Monomeric (reactive aluminum): O_AL_TC_Grab

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ID: AMMONIUM_TCON **Name:** Colorimetric procedure for ammonium using the Technicon Autoanalyzer II
Org/Nat: ORG **Specific Equipment:**
Description: Colorimetric detection by Indophenol blue technique.
Source: Shenandoah National Park
Citation:
Characteristics: Nitrogen, ammonium (NH4) as NH4: NH4_Chang_LH
Nitrogen, ammonium (NH4) as NH4: NH4_TC_AutoStream
Nitrogen, ammonium (NH4) as NH4: NH4_TC_AutoPpt
Nitrogen, ammonium (NH4) as NH4: NH4_TC_Bulk
Nitrogen, ammonium (NH4) as NH4: NH4_TC_Grab250
Nitrogen, ammonium (NH4) as NH4: NH4_TC_Grab500
Nitrogen, ammonium (NH4) as NH4: NH4_TC_Wet

ID: ANC_2PT_MANUAL **Name:** 2-point manual titration with pH meter and electrode
Org/Nat: ORG **Specific Equipment:** pH meter
Description: Two-point Gran titration with 100 ml sample volumes and 0.005 N HCl titrant. Titration endpoints were approx. 4.5 and 4.2. Within-aliquot stability (<= 0.01 units/min.) was obtained for endpoint determinations.
Source: Shenandoah National Park
Citation:
Characteristics: Acid Neutralizing Capacity (ANC): ANC_Manual_Grab
Acid Neutralizing Capacity (ANC): ANC_Manual_AutoStream

ID: ANC_PH_AUTOTITR **Name:** ANC and pH with the Metrohm 809 titration system
Org/Nat: ORG **Specific Equipment:** Titration Apparatus
Description: pH measurement and ANC (Acid neutralizing capacity) Gran titration using Metrohm 809 titration system
Source: Shenandoah National Park
Citation:
Characteristics: Acid Neutralizing Capacity (ANC): ANC_Metrohm_Grab
Acid Neutralizing Capacity (ANC): ANC_Metrohm_AutoStream
pH: pH_Metrohm_Grab
pH: pH_Metrohm_AutoStream

ID: ANIONS_IC **Name:** Ion chromotography with the Dionex Model 14 IC for SO4, Cl, NO3
Org/Nat: ORG **Specific Equipment:** Ion Chromatograph
Description: Dionex Model 14 Ion Chromatograph; HPIC AS14 Separator Column; HPIC AG14 Guard Column; AMMS Anion

Micro-Membrane Suppressor. Simultaneous determination by ion chromatography. Injection volume: 200 µl. Eluent: 1.5 mL 4.8 mM Na2CO3/0.6mM NaHCO3/minute. Regenerant: 3-4 ml 0.035 N H2SO4/minute.

Source: Shenandoah National Park

Citation:

Characteristics: Chloride: Cl_IC_Wet
Chloride: Cl_IC_Grab
Chloride: Cl_IC_Bulk
Chloride: Cl_IC_AutoStream
Chloride: Cl_IC_AutoPpt
Chloride: Cl_Chang_LH
Nitrogen, Nitrate (NO3) as NO3: NO3_Chang_LH
Nitrogen, Nitrate (NO3) as NO3: NO3_IC_AutoStream
Nitrogen, Nitrate (NO3) as NO3: NO3_IC_Bulk
Nitrogen, Nitrate (NO3) as NO3: NO3_IC_AutoPpt
Nitrogen, Nitrate (NO3) as NO3: NO3_IC_Grab
Nitrogen, Nitrate (NO3) as NO3: NO3_IC_Wet
Sulfur, sulfate (SO4) as SO4: SO4_IC_Wet
Sulfur, sulfate (SO4) as SO4: SO4_IC_AutoPpt
Sulfur, sulfate (SO4) as SO4: SO4_IC_AutoStream
Sulfur, sulfate (SO4) as SO4: SO4_IC_Grab
Sulfur, sulfate (SO4) as SO4: SO4_Chang_LH
Sulfur, sulfate (SO4) as SO4: SO4_IC_Bulk

ID: CATIONS_AA **Name:** Atomic absorption analysis with the Thermo Jarrell Ash Model Smith-Hieftje 22 for Ca, Mg, Na, K

Org/Nat: ORG **Specific Equipment:** AutoAnalyzer

Description: Thermo Jarrell Ash AA/AE Spectrophotometer Model Smith-Hieftje 22. Flame atomic absorption spectrophotometry. Li/La added to aliquot.

Source: Shenandoah National Park

Citation:

Characteristics: Calcium: Ca_AA_Bulk
Calcium: Ca_AA_Wet
Calcium: Ca_AA_AutoStream
Calcium: Ca_AA_AutoPpt
Calcium: Ca_Chang_LH
Calcium: Ca_AA_Grab
Magnesium: Mg_AA_Wet
Magnesium: Mg_Chang_LH
Magnesium: Mg_AA_AutoStream
Magnesium: Mg_AA_AutoPpt
Magnesium: Mg_AA_Bulk
Magnesium: Mg_AA_Grab
Potassium: K_AA_AutoStream
Potassium: K_AA_AutoPpt
Potassium: K_AA_Grab
Potassium: K_AA_Bulk
Potassium: K_Chang_LH

Potassium: K_AA_Wet
Sodium: Na_AA_Bulk
Sodium: Na_AA_Grab
Sodium: Na_AA_AutoPpt
Sodium: Na_AA_AutoStream
Sodium: Na_Chang_LH
Sodium: Na_AA_Wet

ID: CHLORIDE_TCON **Name:** Colorimetric procedure for chloride using the Technicon Autoanalyzer II
Org/Nat: ORG **Specific Equipment:** Colorimeter
Description:
Source: Shenandoah National Park
Citation: The composition of precipitation in remote areas of the world
Characteristics: Chloride: Cl_TC_Grab

ID: COND_VWR_MANUAL **Name:** Conductivity procedure using a VWR-brand NIST traceable digital conductivity meter w/ ATC
Org/Nat: ORG **Specific Equipment:** Conductivity Meter
Description: VWR-brand (manufactured by Control Company) NIST Traceable digital conductivity meter with automatic temperature compensation to 25 degrees C. Digital meter and conductivity probe.
Readings obtained at ambient lab temperature (about 23 deg. C).
Source: Shenandoah National Park
Citation:
Characteristics: Specific conductance: Cond_VWR_Manual_AutoStream
Specific conductance: Cond_VWR_Manual_Autoppt
Specific conductance: Cond_VWR_Manual_Bulk
Specific conductance: Cond_VWR_Manual_Grab
Specific conductance: Cond_VWR_Manual_wet

ID: COND_YSI_MANUAL **Name:** Conductivity procedure using a YSI-brand conductivity meter
Org/Nat: ORG **Specific Equipment:** Conductivity Meter
Description: Conductivity measurement using YSI Model 31 conductivity bridge
Source: Shenandoah National Park
Citation:
Characteristics: Specific conductance: Cond_YSI_Manual_Grab
Specific conductance: Cond_YSI_Manual_AutoStream

ID: DOC_DOHR_DC-80 **Name:** Dissolved Organic Carbon by Dohrmann DC-80
Org/Nat: ORG **Specific Equipment:** Carbon Analyzer
Description: Dohrmann DC-80 TOC Analyzer. Ultra-violet promoted persulfate oxidation technique followed by infrared detection. External sparging is used to remove inorganic carbon.
Source: Shenandoah National Park
Citation:
Characteristics: Carbon, organic: DOC_DC80_UVA_Grab
Carbon, organic: DOC_DC80_UVA_AutoStream
Carbon, organic: DOC_DC80_UMD_AutoStream

Carbon, organic: DOC_DC80_UMD_Grab

ID: DOC_PHOEN_8000 **Name:** Dissolved organic carbon by Teledyne-Tekmar Phoenix 8000

Org/Nat: ORG **Specific Equipment:** Carbon Analyzer

Description: Teledyne-Tekmar Phoenix 8000 TOC Analyzer. Ultra-violet promoted persulfate oxidation technique followed by infrared detection. External sparging is used to remove inorganic carbon.

Source: Shenandoah National Park

Citation:

Characteristics: Carbon, organic: DOC_PHN_8K_PA_UVA_AutoStream
Carbon, organic: DOC_PHN_8K_PA_UVA_Grab
Carbon, organic: DOC_PHN_8K_UMD_AutoStream
Carbon, organic: DOC_PHN_8K_UMD_Grab
Carbon, organic: DOC_PHN_8K_UVA_Grab
Carbon, organic: DOC_PHN_8K_UVA_AutoStream

ID: IONS_IC **Name:** Ion chromatography with Dionex ICS-3000/Chromeleon for Mg, Na, Ca, K, SO4, NO3, Cl, and NH4

Org/Nat: ORG **Specific Equipment:** Ion Chromatograph

Description: Quantification of anions (Cl, NO3, SO4) and cations (Ca, K, Mg, Na, NH4) using Dionex ICS-3000 with Chromeleon software.

Source: Shenandoah National Park

Citation:

Characteristics: Calcium: Ca_Ions_AutoStream
Calcium: Ca_Ions_Grab
Chloride: Cl_Ions_AutoStream
Chloride: Cl_Ions_Grab
Magnesium: Mg_Ions_Grab
Magnesium: Mg_Ions_AutoStream
Nitrogen, ammonium (NH4) as NH4: NH4_Ions_Grab
Nitrogen, ammonium (NH4) as NH4: NH4_Ions_AutoStream
Nitrogen, Nitrate (NO3) as NO3: NO3_Ions_Grab
Nitrogen, Nitrate (NO3) as NO3: NO3_Ions_AutoStream
Potassium: K_Ions_AutoStream
Potassium: K_Ions_Grab
Sodium: Na_Ions_AutoStream
Sodium: Na_Ions_Grab
Sulfur, sulfate (SO4) as SO4: SO4_Ions_AutoStream
Sulfur, sulfate (SO4) as SO4: SO4_Ions_Grab

ID: LAB_PH_MANUAL **Name:** pH meter with electrode for manual lab pH measurement

Org/Nat: ORG **Specific Equipment:** pH meter

Description: Potentiometric measurement with open-system samples. Within-aliquot stability (<= 0.01 units/min.) and sequential-aliquot agreement (<= 0.03 units difference) obtained for all readings.

Source: Shenandoah National Park

Citation:

Characteristics: pH: pH_Manual_Wet
pH: pH_Manual_Grab

pH: pH_Manual_Bulk
pH: pH_Manual_AutoPpt
pH: pH_Manual_AutoStream

ID: METALS_EPA **Name:** Metals by EPA method
Org/Nat: ORG **Specific Equipment:**
Description:
Source: Shenandoah National Park
Citation:
Characteristics:

ID: NITRATE_TCON **Name:** Colorimetric procedure for nitrate using the Technicon Autoanalyzer II
Org/Nat: ORG **Specific Equipment:** Colorimeter
Description:
Source: Shenandoah National Park
Citation: The composition of precipitation in remote areas of the world
Characteristics: Nitrogen, Nitrate (NO3) as NO3: NO3_TC_Grab

ID: NONFILTRESIDUE **Name:** Non-filterable residue by filtration and drying
Org/Nat: ORG **Specific Equipment:** Drying Oven
Description: Filtration through glass fiber filter; drying in oven at approx. 105 degrees C.
Source: Shenandoah National Park
Citation:
Characteristics: Solids, Total Suspended (TSS): Non-filterable Residue

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ID: RATIO_2PT_IC1 **Name:** sum of anions by IC1 and manual 2-point titration / sum of cations by AA
Org/Nat: ORG **Specific Equipment:**
Description: see ANIONS_IC, CATIONS_AA
IONRATIO=(Cl+NO3+SO4+ANC)/(Ca+Mg+Na+K)
for <MDL substitute 0.5*MDL
for <LQL substitute 0.5*(MDL+LQL)
Source: Shenandoah National Park
Citation:
Characteristics: Anion / Cation Ratio: IONRATIO_2PT_IC1_AA_AUTO
Anion / Cation Ratio: IONRATIO_2PT_IC1_AA_GRAB

ID: RATIO_2PT_IC2 **Name:** sum of anions by IC2 and manual 2-point titration / sum of cations by IC
Org/Nat: ORG **Specific Equipment:**
Description: see IONS_IC
IONRATIO=(Cl+NO3+SO4+ANC)/(Ca+Mg+Na+K+NH4)
for <MDL substitute 0.5*MDL
for <LQL substitute 0.5*(MDL+LQL)
Source: Shenandoah National Park
Citation:
Characteristics: Anion / Cation Ratio: IONRATIO_2PT_IC2_AUTO
Anion / Cation Ratio: IONRATIO_2PT_IC2_GRAB

ID: RATIO_2PT_TC_AA **Name:** sum of anions by TC and manual 2-point titration / sum of cations by AA
Org/Nat: ORG **Specific Equipment:**
Description: see ANIONS_TC, CATIONS_AA
IONRATIO=(Cl+NO3+SO4+ANC)/(Ca+Mg+Na+K)
for <MDL substitute 0.5*MDL
for <LQL substitute 0.5*(MDL+LQL)
Source: Shenandoah National Park
Citation:
Characteristics: Anion / Cation Ratio: IONRATIO_2PT_TC_AA_GRAB

ID: RATIO_MET_IC1 **Name:** IONRATIO by IC1, AA, and Metrohm titration
Org/Nat: ORG **Specific Equipment:**
Description: see ANIONS_IC, CATIONS_AA
IONRATIO=(Cl+NO3+SO4+ANC)/(Ca+Mg+Na+K)
for <MDL substitute 0.5*MDL
for <LQL substitute 0.5*(MDL+LQL)
Source: Shenandoah National Park
Citation:
Characteristics: Anion / Cation Ratio: IONRATIO_MET_IC1_AA_AUTO
Anion / Cation Ratio: IONRATIO_MET_IC1_AA_GRAB

ID: RATIO_MET_IC2 **Name:** IONRATIO by IC2 and Metrohm titration
Org/Nat: ORG **Specific Equipment:**
Description: see IONS_IC
IONRATIO=(Cl+NO3+SO4+ANC)/(Ca+Mg+Na+K+NH4)
for <MDL substitute 0.5*MDL
for <LQL substitute 0.5*(MDL+LQL)
Source: Shenandoah National Park
Citation:
Characteristics: Anion / Cation Ratio: IONRATIO_MET_IC2_GRAB
Anion / Cation Ratio: IONRATIO_MET_IC2_AUTO

ID: SAA_2PT_IC1 **Name:** sum of acid anions by IC1 and 2-point manual titration
Org/Nat: ORG **Specific Equipment:**
Description: see ANIONS_IC
SAA=Cl+NO3+SO4+ANC
for <MDL substitute 0.5*MDL
for <LQL substitute 0.5*(MDL+LQL)
Source: Shenandoah National Park
Citation:
Characteristics: Anions, Sum of: SAA_2PT_IC1_AUTO
Anions, Sum of: SAA_2PT_IC1_GRAB

ID: SAA_2PT_IC2 **Name:** sum of acid anions by IC2 and manual 2-point titration
Org/Nat: ORG **Specific Equipment:**
Description: see IONS_IC

SAA=Cl+NO3+SO4+ANC
for <MDL substitute 0.5*MDL
for <LQL substitute 0.5*(MDL+LQL)

Source: Shenandoah National Park

Citation:

Characteristics: Anions, Sum of: SAA_2PT_IC2_AUTO
Anions, Sum of: SAA_2PT_IC2_GRAB

ID: SAA_2PT_TC **Name:** sum of acid anions by Technicon and 2-point manual titration

Org/Nat: ORG **Specific Equipment:**

Description: see TCON_SULFATE, TCON_NITRATE, TCON_CHLORIDE
SAA=Cl+NO3+SO4+ANC
for <MDL substitute 0.5*MDL
for <LQL substitute 0.5*(MDL+LQL)

Source: Shenandoah National Park

Citation:

Characteristics: Anions, Sum of: SAA_2PT_TC_GRAB

ID: SAA_MET_IC1 **Name:** SAA by IC1 and Metrohm titration

Org/Nat: ORG **Specific Equipment:**

Description: see ANIONS_IC
SAA=Cl+NO3+SO4+ANC
for <MDL substitute 0.5*MDL
for <LQL substitute 0.5*(MDL+LQL)

Source: University of Virginia non-NPS watersheds

Citation:

Characteristics: Anions, Sum of: SAA_MET_IC1_AUTO
Anions, Sum of: SAA_MET_IC1_GRAB

ID: SAA_MET_IC2 **Name:** SAA by IC2 and Metrohm titration

Org/Nat: ORG **Specific Equipment:**

Description: see IONS_IC
SAA=Cl+NO3+SO4+ANC
for <MDL substitute 0.5*MDL
for <LQL substitute 0.5*(MDL+LQL)

Source: University of Virginia non-NPS watersheds

Citation:

Characteristics: Anions, Sum of: SAA_MET_IC2_AUTO
Anions, Sum of: SAA_MET_IC2_GRAB

ID: SBC_AA **Name:** sum of base cations by AA

Org/Nat: ORG **Specific Equipment:**

Description: see CATIONS_AA
SBC=Ca+Mg+Na+K
for <MDL substitute 0.5*MDL
for <LQL substitute 0.5*(MDL+LQL)

Source: Shenandoah National Park
Citation:
Characteristics: Cations, Sum of: SBC_AA_LYS
Cations, Sum of: SBC_AA_AUTO
Cations, Sum of: SBC_AA_GRAB

ID: SBC_IC2 **Name:** sum of base cations by IC2
Org/Nat: ORG **Specific Equipment:**
Description: see IONS_AA
SBC=Ca+Mg+Na+K+NH4
for <MDL substitute 0.5*MDL
for <LQL substitute 0.5*(MDL+LQL)
Source: Shenandoah National Park
Citation:
Characteristics: Cations, Sum of: SBC_IC2_AUTO
Cations, Sum of: SBC_IC2_GRAB

ID: SILICA_TCON **Name:** Colorimetric procedure for silica using the Technicon Autoanalyzer II
Org/Nat: ORG **Specific Equipment:** Colorimeter
Description: Colorimetric detection by molybdate blue technique with the Technicon Autoanalyzer II.
Source: Shenandoah National Park
Citation:
Characteristics: Silica: SiO2_TC_AutoStream
Silica: SiO2_TC_AutoPpt
Silica: SiO2_TC_Bulk
Silica: SiO2_TC_Grab
Silica: SiO2_TC_Wet

ID: SULFATE_TCON **Name:** Colorimetric procedure for chloride using the Technicon Autoanalyzer II
Org/Nat: ORG **Specific Equipment:** Colorimeter
Description:
Source: Shenandoah National Park
Citation: The composition of precipitation in remote areas of the world
Characteristics: Sulfur, sulfate (SO4) as SO4: SO4_TC_Grab

ID: VOLATILERESIDUE **Name:** Volatile residue by filtration and volatilization
Org/Nat: ORG **Specific Equipment:** Drying Oven
Description: Thermolyne 48000 Furnace. Filtration through glass fiber filter; volatilization in furnace at 500 degrees C.
Source: Shenandoah National Park
Citation:
Characteristics: Solids, Volatile: Volatile Residue

Number of Analytical Procedures for Shenandoah National Park: 31

ID: ALUMINUM_TCON **Name:** Colorimetric procedure for aluminum using the Technicon Autoanalyzer II

Org/Nat: ORG **Specific Equipment:**

Description: Colorimetric detection with open-system samples by pyrocatechol violet technique. Fractionation with ion-exchange resin.

Source: Shenandoah National Park

Citation:

Characteristics: Aluminum, Organic + Inorganic Monomeric (reactive aluminum): T_AL_TC_AutoStream
Aluminum, Organic + Inorganic Monomeric (reactive aluminum): T_AL_TC_Grab_F_RE
Aluminum, Organic + Inorganic Monomeric (reactive aluminum): T_AL_TC_Grab
Aluminum, Organic Monomeric (reactive aluminum): O_AL_TC_AutoStream
Aluminum, Organic Monomeric (reactive aluminum): O_AL_TC_Grab_F_RE
Aluminum, Organic Monomeric (reactive aluminum): O_AL_TC_Grab

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ID: AMMONIUM_TCON **Name:** Colorimetric procedure for ammonium using the Technicon Autoanalyzer II

Org/Nat: ORG **Specific Equipment:**

Description: Colorimetric detection by Indophenol blue technique.

Source: Shenandoah National Park

Citation:

Characteristics: Nitrogen, ammonium (NH4) as NH4: NH4_Chang_LH
Nitrogen, ammonium (NH4) as NH4: NH4_TC_AutoStream
Nitrogen, ammonium (NH4) as NH4: NH4_TC_AutoPpt
Nitrogen, ammonium (NH4) as NH4: NH4_TC_Bulk
Nitrogen, ammonium (NH4) as NH4: NH4_TC_Wet
Nitrogen, ammonium (NH4) as NH4: NH4_TC_Grab_F_A_RE
Nitrogen, ammonium (NH4) as NH4: NH4_TC_Grab250
Nitrogen, ammonium (NH4) as NH4: NH4_TC_Grab500

ID: ANC_2PT_MANUAL **Name:** 2-point manual titration pH meter and electrode

Org/Nat: ORG **Specific Equipment:** pH meter

Description: Two-point Gran titration with 100 ml sample volumes and 0.005 N HCl titrant. Titration endpoints were approx. 4.5 and 4.2. Within-aliquot stability (<= 0.01 units/min.) was obtained for endpoint determinations.

Source: University of Virginia non-NPS watersheds

Citation:

Characteristics: Acid Neutralizing Capacity (ANC): ANC_Manual_AutoStream
Acid Neutralizing Capacity (ANC): ANC_Manual_Grab

ID: ANC_5PT_MANUAL **Name:** 5-point manual titration with pH meter and electrode

Org/Nat: ORG **Specific Equipment:** pH meter

Description: Five-point Gran titration with 100 ml sample volumes and 0.005 N HCl titrant. Titration endpoints were approx. 4.5 and 4.2. Within-aliquot stability (<= 0.01 units/min.) was obtained for endpoint determinations.

Source: University of Virginia non-NPS watersheds

Citation:

Characteristics: Acid Neutralizing Capacity (ANC): ANC_5PT_Manual_Grab_RE

ID: ANC_PH_AUTOTITR **Name:** ANC and pH with the Metrohm 809 titration system

Org/Nat: ORG **Specific Equipment:** Titration Apparatus

Description: pH measurement and ANC (acid neutralizing capacity) Gran titration using Metrohm 809 titration system

Source: University of Virginia non-NPS watersheds

Citation:

Characteristics: Acid Neutralizing Capacity (ANC): ANC_Metrohm_AutoStream
Acid Neutralizing Capacity (ANC): ANC_Metrohm_Grab
pH: pH_Metrohm_AutoStream
pH: pH_Metrohm_Grab

ID: ANIONS_IC **Name:** Ion chromotography with the Dionex Model 14 IC for SO4, Cl, NO3

Org/Nat: ORG **Specific Equipment:** Ion Chromatograph

Description: Dionex Model 14 Ion Chromatograph; HPIC AS14 Separator Column; HPIC AG14 Guard Column; AMMS Anion Micro-Membrane Suppressor. Simultaneous determination by ion chromatography. Injection volume: 200 µl. Eluent: 1.5 mL 4.8 mM Na2CO3/0.6mM NaHCO3/minute. Regenerant: 3-4 ml 0.035 N H2SO4/minute.

Source: Shenandoah National Park

Citation:

Characteristics: Chloride: Cl_Chang_LH
Chloride: Cl_IC_Wet
Chloride: Cl_IC_Bulk
Chloride: Cl_IC_AutoStream
Chloride: Cl_IC_AutoPpt
Chloride: Cl_IC_Grab
Chloride: CL_IC_Grab_F_RE
Nitrogen, Nitrate (NO3) as NO3: NO3_IC_Wet
Nitrogen, Nitrate (NO3) as NO3: NO3_Chang_LH
Nitrogen, Nitrate (NO3) as NO3: NO3_IC_Grab_F_RE
Nitrogen, Nitrate (NO3) as NO3: NO3_IC_Grab
Nitrogen, Nitrate (NO3) as NO3: NO3_IC_Bulk
Nitrogen, Nitrate (NO3) as NO3: NO3_IC_AutoStream
Nitrogen, Nitrate (NO3) as NO3: NO3_IC_AutoPpt
Sulfur, sulfate (SO4) as SO4: SO4_IC_Grab
Sulfur, sulfate (SO4) as SO4: SO4_IC_Grab_F_RE
Sulfur, sulfate (SO4) as SO4: SO4_IC_AutoStream
Sulfur, sulfate (SO4) as SO4: SO4_Chang_LH
Sulfur, sulfate (SO4) as SO4: SO4_IC_Bulk
Sulfur, sulfate (SO4) as SO4: SO4_IC_Wet
Sulfur, sulfate (SO4) as SO4: SO4_IC_AutoPpt

ID: CATIONS_AA **Name:** Atomic absorption analysis with the Thermo Jarrell Ash Model Smith-Hieftje 22 for Ca, Mg, Na, K

Org/Nat: ORG **Specific Equipment:** AutoAnalyzer

Description: Thermo Jarrell Ash AA/AE Spectrophotometer Model Smith-Hieftje 22. Flame atomic absorption spectrophotometry. Li/La added to aliquot.

Source: Shenandoah National Park

Citation:

Characteristics: Calcium: Ca_AA_Grab_F_A

Calcium: Ca_Chang_LH
Calcium: Ca_AA_Wet
Calcium: Ca_AA_Bulk
Calcium: Ca_AA_AutoPpt
Calcium: Ca_AA_AutoStream
Calcium: Ca_AA_Grab
Magnesium: Mg_AA_AutoPpt
Magnesium: Mg_AA_Grab
Magnesium: Mg_AA_Grab_F_A
Magnesium: Mg_AA_Bulk
Magnesium: Mg_AA_AutoStream
Magnesium: Mg_Chang_LH
Magnesium: Mg_AA_Wet
Potassium: K_AA_AutoPpt
Potassium: K_AA_Grab
Potassium: K_AA_AutoStream
Potassium: K_AA_Grab_F_A
Potassium: K_AA_Bulk
Potassium: K_AA_Wet
Potassium: K_Chang_LH
Sodium: Na_AA_Wet
Sodium: Na_AA_AutoStream
Sodium: Na_AA_AutoPpt
Sodium: Na_AA_Bulk
Sodium: Na_AA_Grab
Sodium: Na_Chang_LH
Sodium: Na_AA_Grab_F_A

ID: CHLORIDE_TCON **Name:** Colorimetric procedure for chloride using the Technicon Autoanalyzer II
Org/Nat: ORG **Specific Equipment:** Colorimeter
Description:
Source: Shenandoah National Park
Citation: The composition of precipitation in remote areas of the world
Characteristics: Chloride: Cl_TC_Grab

ID: COND_VWR_MANUAL **Name:** Conductivity procedure using a VWR-brand NIST traceable digital conductivity meter w/ ATC
Org/Nat: ORG **Specific Equipment:** Conductivity Meter
Description: VWR-brand (manufactured by Control Company) NIST Traceable digital conductivity meter with automatic temperature compensation to 25 degrees C. Digital meter and conductivity probe.
Readings obtained at ambient lab temperature (about 23 deg. C).
Source: University of Virginia non-NPS watersheds
Citation:
Characteristics: Specific conductance: Cond_VWR_Manual_AutoStream
Specific conductance: Cond_VWR_Manual_Autoppt
Specific conductance: Cond_VWR_Manual_Bulk
Specific conductance: Cond_VWR_Manual_wet

Specific conductance: Cond_VWR_Manual_Grab

ID: COND_YSI_MANUAL **Name:** Conductivity procedure using a YSI-brand conductivity meter

Org/Nat: ORG **Specific Equipment:** Conductivity Meter

Description: Conductivity measurement using YSI Model 31 conductivity bridge

Source: University of Virginia non-NPS watersheds

Citation:

Characteristics: Specific conductance: Cond_YSI_Manual_AutoStream
Specific conductance: Cond_YSI_Manual_Grab_RE
Specific conductance: Cond_YSI_Manual_Grab

ID: DOC_DOHR_DC-80 **Name:** Dissolved Organic Carbon by Dohrmann DC-80

Org/Nat: ORG **Specific Equipment:** Carbon Analyzer

Description: Dohrmann DC-80 TOC Analyzer. Ultra-violet promoted persulfate oxidation technique followed by infrared detection. External sparging is used to remove inorganic carbon.

Source: University of Virginia non-NPS watersheds

Citation:

Characteristics: Carbon, organic: DOC_DC80_UVA_Grab
Carbon, organic: DOC_DC80_UVA_AutoStream
Carbon, organic: DOC_DC80_UMD_AutoStream
Carbon, organic: DOC_DC80_UMD_Grab
Carbon, organic: DOC_DC80_UVA_Grab_F_A_RE

ID: DOC_PHOEN_8000 **Name:** Dissolved Organic Carbon by Teledyne-Tekmar Phoenix 8000

Org/Nat: ORG **Specific Equipment:** Carbon Analyzer

Description: Teledyne-Tekmar Phoenix 8000 TOC Analyzer. Ultra-violet promoted persulfate oxidation technique followed by infrared detection. External sparging is used to remove inorganic carbon.

Source: University of Virginia non-NPS watersheds

Citation:

Characteristics: Carbon, organic: DOC_PHN_8K_UMD_AutoStream
Carbon, organic: DOC_PHN_8K_UMD_Grab
Carbon, organic: DOC_PHN_8K_UVA_AutoStream
Carbon, organic: DOC_PHN_8K_UVA_Grab

ID: IONS_IC **Name:** Ion chromatography with Dionex ICS-3000/Chromeleon for Mg, Na, Ca, K, SO4, NO3, Cl, and NH4

Org/Nat: ORG **Specific Equipment:** Ion Chromatograph

Description: Quantification of anions (Cl, NO3, SO4) and cations (Ca, K, Mg, Na, NH4) using Dionex ICS-3000 with Chromeleon software.

Source: University of Virginia non-NPS watersheds

Citation:

Characteristics: Calcium: Ca_Ions_AutoStream
Calcium: Ca_Ions_Grab
Chloride: Cl_Ions_Grab
Chloride: Cl_Ions_AutoStream
Magnesium: Mg_Ions_Grab

Magnesium: Mg_Ions_AutoStream
Nitrogen, ammonium (NH4) as NH4: NH4_Ions_AutoStream
Nitrogen, ammonium (NH4) as NH4: NH4_Ions_Grab
Nitrogen, Nitrate (NO3) as NO3: NO3_Ions_AutoStream
Nitrogen, Nitrate (NO3) as NO3: NO3_Ions_Grab
Potassium: K_Ions_AutoStream
Potassium: K_Ions_Grab
Sodium: Na_Ions_AutoStream
Sodium: Na_Ions_Grab
Sulfur, sulfate (SO4) as SO4: SO4_Ions_AutoStream
Sulfur, sulfate (SO4) as SO4: SO4_Ions_Grab

ID: LAB_PH_MANUAL **Name:** pH meter with electrode for manual lab pH measurement
Org/Nat: ORG **Specific Equipment:** pH meter
Description: Potentiometric measurement with open-system samples. Within-aliquot stability (<= 0.01 units/min.) and sequential-aliquot agreement (<= 0.03 units difference) obtained for all readings.
Source: University of Virginia non-NPS watersheds
Citation:
Characteristics: pH: pH_Manual_Wet
pH: pH_Manual_Bulk
pH: pH_Manual_AutoPpt
pH: pH_Manual_AutoStream
pH: pH_Manual_Grab_RE
pH: pH_Manual_Grab

ID: NITRATE_TCON **Name:** Colorimetric procedure for nitrate using the Technicon Autoanalyzer II
Org/Nat: ORG **Specific Equipment:** Colorimeter
Description:
Source: Shenandoah National Park
Citation: The composition of precipitation in remote areas of the world
Characteristics: Nitrogen, Nitrate (NO3) as NO3: NO3_TC_Grab

ID: NONFILTRESIDUE **Name:** Non-filterable residue by filtration and drying
Org/Nat: ORG **Specific Equipment:** Drying Oven
Description: Filtration through glass fiber filter; drying in oven at approx. 105 degrees C.
Source: Shenandoah National Park
Citation:
Characteristics: Solids, Total Suspended (TSS): Non-filterable Residue

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ID: RATIO_2PT_IC1 **Name:** sum of anions by IC1 and manual 2-point titration / sum of cations by AA
Org/Nat: ORG **Specific Equipment:**
Description: see ANIONS_IC, CATIONS_AA
IONRATIO=(Cl+NO3+SO4+ANC)/(Ca+Mg+Na+K)
for individual ion values<MDL substitute 0.5*MDL
for individual ion values<LQL substitute 0.5*(MDL+LQL)

Source: University of Virginia non-NPS watersheds
Citation:
Characteristics: Anion / Cation Ratio: IONRATIO_2PT_IC1_AA_AUTO
Anion / Cation Ratio: IONRATIO_2PT_IC1_AA_GRAB

ID: RATIO_2PT_IC2 **Name:** sum of anions by IC2 and manual 2-point titration / sum of cations by IC
Org/Nat: ORG **Specific Equipment:**
Description: see IONS_IC
IONRATIO=(Cl+NO3+SO4+ANC)/(Ca+Mg+Na+K+NH4)
for <MDL substitute 0.5*MDL
for <LQL substitute 0.5*(MDL+LQL)
Source: University of Virginia non-NPS watersheds
Citation:
Characteristics: Anion / Cation Ratio: IONRATIO_2PT_IC2_AUTO
Anion / Cation Ratio: IONRATIO_2PT_IC2_GRAB

ID: RATIO_2PT_TC_AA **Name:** sum of anions by TC and 2-point manual titration / sum of cations by AA
Org/Nat: ORG **Specific Equipment:**
Description: see ANIONS_TC, CATIONS_AA
IONRATIO=(Cl+NO3+SO4+ANC)/(Ca+Mg+Na+K)
for <MDL substitute 0.5*MDL
for <LQL substitute 0.5*(MDL+LQL)
Source: University of Virginia non-NPS watersheds
Citation:
Characteristics: Anion / Cation Ratio: IONRATIO_2PT_TC_AA_GRAB

ID: RATIO_MET_IC1 **Name:** IONRATIO by IC1, AA, and Metrohm titration
Org/Nat: ORG **Specific Equipment:**
Description: see ANIONS_IC, CATIONS_AA
IONRATIO=(Cl+NO3+SO4+ANC)/(Ca+Mg+Na+K)
for <MDL substitute 0.5*MDL
for <LQL substitute 0.5*(MDL+LQL)
Source: University of Virginia non-NPS watersheds
Citation:
Characteristics: Anion / Cation Ratio: IONRATIO_MET_IC1_AA_GRAB

ID: RATIO_MET_IC2 **Name:** IONRATIO by IC2 and Metrohm titration
Org/Nat: ORG **Specific Equipment:**
Description: see IONS_IC
IONRATIO=(Cl+NO3+SO4+ANC)/(Ca+Mg+Na+K+NH4)
for <MDL substitute 0.5*MDL
for <LQL substitute 0.5*(MDL+LQL)
Source: University of Virginia non-NPS watersheds
Citation:
Characteristics: Anion / Cation Ratio: IONRATIO_MET_IC2_GRAB

ID: SAA_2PT_IC1 **Name:** sum of acid anions by IC1 and 2-point manual titration
Org/Nat: ORG **Specific Equipment:**
Description: see ANIONS_IC
SAA=Cl+NO3+SO4+ANC
for <MDL substitute 0.5*MDL
for <LQL substitute 0.5*(MDL+LQL)
Source: University of Virginia non-NPS watersheds
Citation:
Characteristics: Anions, Sum of: SAA_2PT_IC1_AUTO
Anions, Sum of: SAA_2PT_IC1_GRAB

ID: SAA_2PT_IC2 **Name:** sum of acid anions by IC2 and 2-point manual titration
Org/Nat: ORG **Specific Equipment:**
Description: see IONS_IC
SAA=Cl+NO3+SO4+ANC
for <MDL substitute 0.5*MDL
for <LQL substitute 0.5*(MDL+LQL)
Source: University of Virginia non-NPS watersheds
Citation:
Characteristics: Anions, Sum of: SAA_2PT_IC2_AUTO
Anions, Sum of: SAA_2PT_IC2_GRAB

ID: SAA_2PT_TC **Name:** sum of acid anions by TC and manual 2-point titration
Org/Nat: ORG **Specific Equipment:**
Description: see TCON_SULFATE, TCON_NITRATE, TCON_CHLORIDE
SAA=Cl+NO3+SO4+ANC
for <MDL substitute 0.5*MDL
for <LQL substitute 0.5*(MDL+LQL)
Source: University of Virginia non-NPS watersheds
Citation:
Characteristics: Anions, Sum of: SAA_2PT_TC_GRAB

ID: SAA_MET_IC1 **Name:** SAA by IC1 and Metrohm titration
Org/Nat: ORG **Specific Equipment:**
Description: see ANIONS_IC
SAA=Cl+NO3+SO4+ANC
for <MDL substitute 0.5*MDL
for <LQL substitute 0.5*(MDL+LQL)
Source: University of Virginia non-NPS watersheds
Citation:
Characteristics: Anions, Sum of: SAA_MET_IC1_GRAB

ID: SAA_MET_IC2 **Name:** SAA by IC2 and Metrohm titration
Org/Nat: ORG **Specific Equipment:**
Description: see IONS_IC
SAA=Cl+NO3+SO4+ANC
for <MDL substitute 0.5*MDL
for <LQL substitute 0.5*(MDL+LQL)

Source: University of Virginia non-NPS watersheds
Citation:
Characteristics: Anions, Sum of: SAA_MET_IC2_GRAB

ID: SBC_AA **Name:** sum of base cations by AA
Org/Nat: ORG **Specific Equipment:**
Description: see CATIONS_AA
SBC=Ca+Mg+NA+K
for <MDL substitute 0.5*MDL
for <LQL substitute 0.5*(MDL+LQL)
Source: University of Virginia non-NPS watersheds
Citation:
Characteristics: Cations, Sum of: SBC_AA_AUTO
Cations, Sum of: SBC_AA_GRAB

ID: SBC_IC2 **Name:** sum of base cations by IC2
Org/Nat: ORG **Specific Equipment:**
Description: see IONS_AA
SBC=Ca+Mg+NA+K+NH4
for <MDL substitute 0.5*MDL
for <LQL substitute 0.5*(MDL+LQL)
Source: University of Virginia non-NPS watersheds
Citation:
Characteristics: Cations, Sum of: SBC_IC2_AUTO
Cations, Sum of: SBC_IC2_GRAB

ID: SILICA_TCON **Name:** Technicon procedure for silica
Org/Nat: ORG **Specific Equipment:** Colorimeter
Description: Colorimetric detection by molybdate blue technique with the Technicon Autoanalyzer II.
Source: Shenandoah National Park
Citation:
Characteristics: Silica: SiO2_TC_AutoStream
Silica: SiO2_TC_AutoPpt
Silica: SiO2_TC_Bulk
Silica: SiO2_TC_Wet
Silica: SiO2_TC_Grab_F_RE
Silica: SiO2_TC_Grab

ID: SULFATE_TCON **Name:** Colorimetric procedure for chloride using the Technicon Autoanalyzer II
Org/Nat: ORG **Specific Equipment:** Colorimeter
Description:
Source: Shenandoah National Park
Citation: The composition of precipitation in remote areas of the world
Characteristics: Sulfur, sulfate (SO4) as SO4: SO4_TC_Grab

ID: VOLATILERESIDUE **Name:** Volatile residue by filtration and volatilization

Org/Nat: ORG **Specific Equipment:** Drying Oven

Description: Thermolyne 48000 Furnace. Filtration through glass fiber filter; volatilization in furnace at 500 degrees C.

Source: Shenandoah National Park

Citation:

Characteristics: Solids, Volatile: Volatile Residue

Number of Analytical Procedures for University of Virginia non-NPS watersheds: 31

Analytical Procedures filtered for:
Organization = SHEN: Shenandoah National Park
UVAVTSSS: University of Virginia non-NPS watersheds

Appendix 3: Detection limits and lower quantitation limits used during the period 1/1/2005 to 12/31/2006

Local Characteristic Name	STORET Characteristic Name	First	Last	Detection Limit	Lower Quantification Limit	Units Abbreviation	Units description
Ca_AA_AutoStream	Calcium	01/14/2005	08/31/2005	1.269	4.037	ueq/L	Micro-equivalents per Liter
Ca_AA_Grab	Calcium	01/04/2005	09/27/2005	1.269	4.037	ueq/L	Micro-equivalents per Liter
Ca_Ions_AutoStream	Calcium	10/07/2005	11/24/2006	0.468	1.488	ueq/L	Micro-equivalents per Liter
Ca_Ions_Grab	Calcium	10/03/2005	12/28/2006	0.468	1.488	ueq/L	Micro-equivalents per Liter
Cl_IC_AutoStream	Chloride	01/14/2005	08/31/2005	0.569	1.808	ueq/L	Micro-equivalents per Liter
Cl_IC_Grab	Chloride	01/04/2005	09/27/2005	0.569	1.808	ueq/L	Micro-equivalents per Liter
Cl_Ions_AutoStream	Chloride	10/07/2005	11/24/2006	0.076	0.242	ueq/L	Micro-equivalents per Liter
Cl_Ions_Grab	Chloride	10/03/2005	12/28/2006	0.076	0.242	ueq/L	Micro-equivalents per Liter
Cond_VWR_Manual_AutoStream	Specific conductance	01/14/2005	11/24/2006	0.162	0.515	uS/cm	Micro-Siemens per Centimeter
Cond_VWR_Manual_Grab	Specific conductance	01/04/2005	12/28/2006	0.162	0.515	uS/cm	Micro-Siemens per Centimeter
K_AA_AutoStream	Potassium	01/14/2005	08/31/2005	0.249	0.792	ueq/L	Micro-equivalents per Liter
K_AA_Grab	Potassium	01/04/2005	09/27/2005	0.249	0.792	ueq/L	Micro-equivalents per Liter

Local Characteristic Name	STORET Characteristic Name	First	Last	Detection Limit	Lower Quantification Limit	Units Abbreviation	Units description
K_Ions_AutoStream	Potassium	10/07/2005	11/24/2006	0.029	0.092	ueq/L	Micro-equivalents per Liter
K_Ions_Grab	Potassium	10/03/2005	12/28/2006	0.029	0.092	ueq/L	Micro-equivalents per Liter
Mg_AA_AutoStream	Magnesium	01/14/2005	08/31/2005	0.578	1.84	ueq/L	Micro-equivalents per Liter
Mg_AA_Grab	Magnesium	01/04/2005	09/27/2005	0.578	1.84	ueq/L	Micro-equivalents per Liter
Mg_Ions_AutoStream	Magnesium	10/07/2005	11/24/2006	0.218	0.694	ueq/L	Micro-equivalents per Liter
Mg_Ions_Grab	Magnesium	10/03/2005	12/28/2006	0.218	0.694	ueq/L	Micro-equivalents per Liter
NH4_Ions_AutoStream	Nitrogen, ammonium (NH4) as NH4	10/07/2005	11/24/2006	0.013	0.04	ueq/L	Micro-equivalents per Liter
NH4_Ions_Grab	Nitrogen, ammonium (NH4) as NH4	10/03/2005	12/28/2006	0.013	0.04	ueq/L	Micro-equivalents per Liter
NH4_TC_AutoStream	Nitrogen, ammonium (NH4) as NH4	01/14/2005	08/31/2005	0.42	1.336	ueq/L	Micro-equivalents per Liter
NH4_TC_Grab250	Nitrogen, ammonium (NH4) as NH4	01/04/2005	09/27/2005	0.42	1.336	ueq/L	Micro-equivalents per Liter
NH4_TC_Grab500	Nitrogen, ammonium (NH4) as NH4	01/25/2005	09/27/2005	0.42	1.336	ueq/L	Micro-equivalents per Liter
NO3_IC_AutoStream	Nitrogen, Nitrate (NO3) as NO3	01/14/2005	08/31/2005	0.201	0.639	ueq/L	Micro-equivalents per Liter
NO3_IC_Grab	Nitrogen, Nitrate (NO3) as NO3	01/04/2005	09/27/2005	0.201	0.639	ueq/L	Micro-equivalents per Liter

Local Characteristic Name	STORET Characteristic Name	First	Last	Detection Limit	Lower Quantification Limit	Units Abbreviation	Units description
NO3_Ions_AutoStream	Nitrogen, Nitrate (NO3) as NO3	10/07/2005	11/24/2006	0.081	0.258	ueq/L	Micro-equivalents per Liter
NO3_Ions_Grab	Nitrogen, Nitrate (NO3) as NO3	10/03/2005	12/28/2006	0.081	0.258	ueq/L	Micro-equivalents per Liter
Na_AA_AutoStream	Sodium	01/14/2005	08/31/2005	0.71	2.257	ueq/L	Micro-equivalents per Liter
Na_AA_Grab	Sodium	01/04/2005	09/27/2005	0.71	2.257	ueq/L	Micro-equivalents per Liter
Na_Ions_AutoStream	Sodium	10/07/2005	11/24/2006	0.029	0.091	ueq/L	Micro-equivalents per Liter
Na_Ions_Grab	Sodium	10/03/2005	12/28/2006	0.029	0.091	ueq/L	Micro-equivalents per Liter
Non-filterable Residue	Solids, Total Suspended (TSS)	01/25/2005	10/30/2006	0.179603	0.571137	mg/l	milligrams per liter
O_AL_TC_AutoStream	Aluminum, Organic Monomeric (reactive aluminum)	06/27/2006	11/16/2006	1.524	4.845	ug/l	micrograms per liter
O_AL_TC_Grab	Aluminum, Organic Monomeric (reactive aluminum)	01/25/2005	07/29/2005	1.524	4.845	ug/l	micrograms per liter
SO4_IC_AutoStream	Sulfur, sulfate (SO4) as SO4	01/14/2005	08/31/2005	1.021	3.248	ueq/L	Micro-equivalents per Liter
SO4_IC_Grab	Sulfur, sulfate (SO4) as SO4	01/04/2005	09/27/2005	1.021	3.248	ueq/L	Micro-equivalents per Liter
SO4_Ions_AutoStream	Sulfur, sulfate (SO4) as SO4	10/07/2005	11/24/2006	0.31	0.986	ueq/L	Micro-equivalents per Liter
SO4_Ions_Grab	Sulfur, sulfate (SO4) as SO4	10/03/2005	12/28/2006	0.31	0.986	ueq/L	Micro-equivalents per Liter

Local Characteristic Name	STORET Characteristic Name	First	Last	Detection Limit	Lower Quantification Limit	Units Abbreviation	Units description
SiO2_TC_AutoStream	Silica	01/14/2005	11/24/2006	1.051	3.342	umol/L	micromoles per liter
SiO2_TC_Grab	Silica	01/04/2005	12/28/2006	1.051	3.342	umol/L	micromoles per liter
T_AL_TC_AutoStream	Aluminum, Organic + Inorganic Monomeric (reactive aluminum)	01/14/2005	11/24/2006	1.524	4.845	ug/l	micrograms per liter
T_AL_TC_Grab	Aluminum, Organic + Inorganic Monomeric (reactive aluminum)	01/25/2005	12/12/2006	1.524	4.845	ug/l	micrograms per liter
Volatile Residue	Solids, Volatile	01/25/2005	10/30/2006	0.17234	0.54804	mg/l	milligrams per liter

NPSTORET Precision Analysis

Filtered Results

Project GRAYSON **Station ID:** BW01 **Station** UPPER BIG WILSON CREEK

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
ANC_Manual_Grab (UVAVTSSS)	µeq/L	4/28/2006 1:58:00 PM		2	0	2	0.3755	2.02	1.198	1.163	137.28%
Ca_Ions_Grab (UVAVTSSS)	µeq/L	4/28/2006 1:58:00 PM		2	0	2	28.01	29.55	28.78	1.091	5.36%
Cl_Ions_Grab (UVAVTSSS)	µeq/L	4/28/2006 1:58:00 PM		2	0	2	8.604	8.724	8.664	0.0852	1.39%
Cond_VWR_Manual_Grab (UVAVTSSS)	µS/cm	4/28/2006 1:58:00 PM		2	0	2	12.1	12.3	12.2	0.1414	1.64%
K_Ions_Grab (UVAVTSSS)	µeq/L	4/28/2006 1:58:00 PM		2	0	2	10.56	10.6	10.58	0.0268	0.36%
Mg_Ions_Grab (UVAVTSSS)	µeq/L	4/28/2006 1:58:00 PM		2	0	2	10.27	10.49	10.38	0.1524	2.08%
Na_Ions_Grab (UVAVTSSS)	µeq/L	4/28/2006 1:58:00 PM		2	0	2	34.97	35.01	34.99	0.0288	0.12%
NO3_Ions_Grab (UVAVTSSS)	µeq/L	4/28/2006 1:58:00 PM		2	2	0	<0.081	<0.081	***	***	***
pH_Manual_Grab (UVAVTSSS)	None	4/28/2006 1:58:00 PM		2	0	2	5.46	5.49	5.475	0.0212	0.55%
SAA_2PT_IC2_GRAB (UVAVTSSS)	µeq/L	4/28/2006 1:58:00 PM		2	0	2	60.78	62.2	61.49	1.009	2.32%
SiO2_TC_Grab (UVAVTSSS)	µmol/L	4/28/2006 1:58:00 PM		2	0	2	103.9	104.4	104.2	0.3168	0.43%
SO4_Ions_Grab (UVAVTSSS)	µeq/L	4/28/2006 1:58:00 PM		2	0	2	51.54	51.64	51.59	0.0685	0.19%

Project GRAYSON **Station ID:** QB01 **Station** QUEBEC BRANCH

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
ANC_Manual_Grab (UVAVTSSS)	µeq/L	5/14/2006 10:30:00 AM		2	0	2	26.72	27.87	27.3	0.8152	4.22%
Ca_Ions_Grab (UVAVTSSS)	µeq/L	5/14/2006 10:30:00 AM		2	0	2	37.19	38.14	37.67	0.6728	2.53%
Cl_Ions_Grab (UVAVTSSS)	µeq/L	5/14/2006 10:30:00 AM		2	0	2	8.863	8.924	8.893	0.0434	0.69%

NPSTORET Precision Analysis

Filtered Results

Project GRAYSON **Station ID:** QB01 **Station** QUEBEC BRANCH

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
Cond_VWR_Manual_Grab (UVAVTSSS)	µS/cm	5/14/2006 10:30:00 AM		2	0	2	12.8	13	12.9	0.1414	1.55%
K_Ions_Grab (UVAVTSSS)	µeq/L	5/14/2006 10:30:00 AM		2	0	2	10.33	10.37	10.35	0.0265	0.36%
Mg_Ions_Grab (UVAVTSSS)	µeq/L	5/14/2006 10:30:00 AM		2	0	2	17	17.25	17.13	0.1822	1.50%
Na_Ions_Grab (UVAVTSSS)	µeq/L	5/14/2006 10:30:00 AM		2	0	2	43.84	43.89	43.87	0.0378	0.12%
NO3_Ions_Grab (UVAVTSSS)	µeq/L	5/14/2006 10:30:00 AM		2	0	2	3.784	4.44	4.112	0.4637	15.95%
pH_Manual_Grab (UVAVTSSS)	None	5/14/2006 10:30:00 AM		2	0	2	6.43	6.48	6.455	0.0354	0.77%
SAA_2PT_IC2_GRAB (UVAVTSSS)	µeq/L	5/14/2006 10:30:00 AM		2	0	2	84.78	87.02	85.9	1.588	2.61%
SiO2_TC_Grab (UVAVTSSS)	µmol/L	5/14/2006 10:30:00 AM		2	0	2	115.8	116.2	116	0.2468	0.30%
SO4_Ions_Grab (UVAVTSSS)	µeq/L	5/14/2006 10:30:00 AM		2	0	2	44.76	46.44	45.6	1.193	3.70%

Project SWAS **Station ID:** PAIN **Station** PAINE RUN

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
ANC_Manual_Grab (SHEN)	µeq/L	8/1/2006 7:25:00 AM		2	0	2	16.06	17.94	17	1.327	11.04%
Ca_Ions_Grab (SHEN)	µeq/L	8/1/2006 7:25:00 AM		2	0	2	29.87	30.33	30.1	0.3263	1.53%
Cl_Ions_Grab	µeq/L	8/1/2006 7:25:00 AM		2	0	2	22.69	22.83	22.76	0.0959	0.60%
Cond_VWR_Manual_Grab (SHEN)	µS/cm	8/1/2006 7:25:00 AM		2	0	2	20.7	20.9	20.8	0.1414	0.96%
IONRATIO_2PT_IC2_GRAB (SHEN)	None	8/1/2006 7:25:00 AM		2	0	2	0.8151	0.8221	0.8186	0.005	0.86%
K_Ions_Grab (SHEN)	µeq/L	8/1/2006 7:25:00 AM		2	0	2	53.47	53.57	53.52	0.0702	0.19%
Mg_Ions_Grab	µeq/L	8/1/2006 7:25:00 AM		2	0	2	52.5	52.89	52.7	0.2733	0.73%
Na_Ions_Grab (SHEN)	µeq/L	8/1/2006 7:25:00 AM		2	0	2	24.23	24.4	24.32	0.1251	0.73%

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Project SWAS **Station ID:** PAIN **Station** PAINE RUN

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
NH4_Ions_Grab (SHEN)	µeq/L	8/1/2006 7:25:00 AM		2	2	0	<0.013	<0.013	***	***	***
NO3_Ions_Grab (SHEN)	µeq/L	8/1/2006 7:25:00 AM		2	2	0	<0.081	<0.081	***	***	***
Non-filterable Residue (SHEN)	mg/l	7/26/2006 7:20:00 AM		2	1	1	<0.5711	1.041	1.041	***	***
pH_Manual_Grab (SHEN)	None	8/1/2006 7:25:00 AM		2	0	2	5.96	5.98	5.97	0.0141	0.34%
SAA_2PT_IC2_GRAB (SHEN)	µeq/L	8/1/2006 7:25:00 AM		2	0	2	131.4	131.6	131.5	0.148	0.16%
SBC_IC2_GRAB (SHEN)	µeq/L	8/1/2006 7:25:00 AM		2	0	2	160.1	161.2	160.6	0.7949	0.70%
SiO2_TC_Grab	µmol/L	8/1/2006 7:25:00 AM		2	0	2	91.32	92.5	91.91	0.833	1.28%
SO4_Ions_Grab (SHEN)	µeq/L	8/1/2006 7:25:00 AM		2	0	2	90.59	92.81	91.7	1.571	2.42%
Volatile Residue (SHEN)	mg/l	7/26/2006 7:20:00 AM		2	1	1	<0.548	0.6764	0.6764	***	***

Project VTSSS **Station ID:** VT01 **Station** HELTON CREEK

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
ANC_Manual_Grab (UVAVTSSS)	µeq/L	4/26/2005 11:45:00 AM		2	0	2	62.9	63.7	63.3	0.5657	1.26%
ANC_Manual_Grab (UVAVTSSS)	µeq/L	10/26/2005 12:40:00 PM		2	0	2	122.9	126.1	124.5	2.245	2.55%
Ca_AA_Grab (UVAVTSSS)	µeq/L	4/26/2005 11:45:00 AM		2	0	2	80.99	82.48	81.74	1.059	1.83%
Ca_Ions_Grab (UVAVTSSS)	µeq/L	10/26/2005 12:40:00 PM		2	0	2	95.28	96.69	95.99	0.9964	1.47%
Cl_IC_Grab (UVAVTSSS)	µeq/L	4/26/2005 11:45:00 AM		2	0	2	11.84	11.9	11.87	0.0396	0.47%
Cl_Ions_Grab (UVAVTSSS)	µeq/L	10/26/2005 12:40:00 PM		2	0	2	13.89	13.97	13.93	0.0516	0.52%

NPSTORET Precision Analysis

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Project VTSSS **Station ID:** VT01 **Station** HELTON CREEK

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
Cond_VWR_Manual_Grab (UVAVTSSS)	µS/cm	4/26/2005 11:45:00 AM		2	0	2	19.4	19.6	19.5	0.1414	1.03%
Cond_VWR_Manual_Grab (UVAVTSSS)	µS/cm	10/26/2005 12:40:00 PM		2	0	2	21.8	21.8	21.8	0	0.00%
IONRATIO_2PT_IC1_AA_GRAB (UVAVTSSS)	None	4/26/2005 11:45:00 AM		2	0	2	0.8419	0.8863	0.8641	0.0314	5.15%
IONRATIO_2PT_IC2_GRAB (UVAVTSSS)	None	10/26/2005 12:40:00 PM		2	0	2	0.7843	0.803	0.7936	0.0132	2.35%
K_AA_Grab (UVAVTSSS)	µeq/L	4/26/2005 11:45:00 AM		2	0	2	9.344	9.395	9.369	0.0361	0.54%
K_Ions_Grab (UVAVTSSS)	µeq/L	10/26/2005 12:40:00 PM		2	0	2	10.48	10.75	10.62	0.1855	2.47%
Mg_AA_Grab (UVAVTSSS)	µeq/L	4/26/2005 11:45:00 AM		2	0	2	33.66	34.48	34.07	0.5819	2.42%
Mg_Ions_Grab (UVAVTSSS)	µeq/L	10/26/2005 12:40:00 PM		2	0	2	42.31	42.73	42.52	0.301	1.00%
Na_AA_Grab (UVAVTSSS)	µeq/L	4/26/2005 11:45:00 AM		2	0	2	49.2	49.33	49.26	0.0926	0.27%
Na_Ions_Grab (UVAVTSSS)	µeq/L	10/26/2005 12:40:00 PM		2	0	2	63.85	64.54	64.19	0.4883	1.08%
NH4_Ions_Grab (UVAVTSSS)	µeq/L	10/26/2005 12:40:00 PM		2	1	1	<0.013	2.387	2.387	***	***
NO3_IC_Grab (UVAVTSSS)	µeq/L	4/26/2005 11:45:00 AM		2	0	2	39.75	45.95	42.85	4.383	14.46%
NO3_Ions_Grab (UVAVTSSS)	µeq/L	10/26/2005 12:40:00 PM		2	0	2	5.152	6.984	6.068	1.295	30.18%
pH_Manual_Grab (UVAVTSSS)	None	4/26/2005 11:45:00 AM		2	0	2	6.84	6.85	6.845	0.0071	0.15%
pH_Manual_Grab (UVAVTSSS)	None	10/26/2005 12:40:00 PM		2	0	2	6.71	6.81	6.76	0.0707	1.48%
SAA_2PT_IC1_GRAB (UVAVTSSS)	µeq/L	4/26/2005 11:45:00 AM		2	0	2	147.9	153.6	150.7	4.018	3.77%
SAA_2PT_IC2_GRAB (UVAVTSSS)	µeq/L	10/26/2005 12:40:00 PM		2	0	2	167.1	173.4	170.3	4.479	3.72%

NPSTORET Precision Analysis

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Project VTSSS **Station ID:** VT01 **Station** HELTON CREEK

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
SBC_AA_GRAB (UVAVTSSS)	µeq/L	4/26/2005 11:45:00 AM		2	0	2	173.2	175.6	174.4	1.697	1.38%
SBC_IC2_GRAB (UVAVTSSS)	µeq/L	10/26/2005 12:40:00 PM		2	0	2	213	216	214.5	2.076	1.37%
SiO2_TC_Grab (UVAVTSSS)	µmol/L	4/26/2005 11:45:00 AM		2	0	2	118.6	119.6	119.1	0.7043	0.84%
SiO2_TC_Grab (UVAVTSSS)	µmol/L	10/26/2005 12:40:00 PM		2	0	2	159.2	159.6	159.4	0.2701	0.24%
SO4_IC_Grab (UVAVTSSS)	µeq/L	4/26/2005 11:45:00 AM		2	0	2	32.57	32.8	32.69	0.1619	0.70%
SO4_Ions_Grab (UVAVTSSS)	µeq/L	10/26/2005 12:40:00 PM		2	0	2	25.12	26.37	25.75	0.8867	4.87%

Project VTSSS **Station ID:** VT02 **Station** LEWIS FORK

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
ANC_Manual_Grab (UVAVTSSS)	µeq/L	8/1/2005 1:37:00 PM		2	0	2	43.7	45.3	44.5	1.131	3.60%
ANC_Manual_Grab (UVAVTSSS)	µeq/L	10/30/2006 2:00:00 PM		2	0	2	21.9	21.9	21.9	0	0.00%
ANC_Metrohm_Grab (UVAVTSSS)	µeq/L	10/30/2006 2:00:00 PM		2	0	2	24.74	24.9	24.82	0.1064	0.61%
Ca_AA_Grab (UVAVTSSS)	µeq/L	8/1/2005 1:37:00 PM		2	0	2	49.5	50.25	49.88	0.5289	1.50%
Ca_Ions_Grab (UVAVTSSS)	µeq/L	10/30/2006 2:00:00 PM		2	0	2	47.9	48.05	47.97	0.1077	0.32%
Cl_IC_Grab (UVAVTSSS)	µeq/L	8/1/2005 1:37:00 PM		2	0	2	11.84	11.9	11.87	0.0396	0.47%
Cl_Ions_Grab (UVAVTSSS)	µeq/L	10/30/2006 2:00:00 PM		2	0	2	12.53	12.55	12.54	0.0124	0.14%
Cond_VWR_Manual_Grab (UVAVTSSS)	µS/cm	8/1/2005 1:37:00 PM		2	0	2	16.3	16.5	16.4	0.1414	1.22%
Cond_VWR_Manual_Grab (UVAVTSSS)	µS/cm	10/30/2006 2:00:00 PM		2	0	2	15.7	15.8	15.75	0.0707	0.63%

NPSTORET Precision Analysis

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Project VTSSS **Station ID:** VT02 **Station** LEWIS FORK

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
IONRATIO_2PT_IC1_AA_GRAB (UVAVTSSS)	None	8/1/2005 1:37:00 PM		2	0	2	0.8942	0.9215	0.9078	0.0193	3.01%
IONRATIO_2PT_IC2_GRAB (UVAVTSSS)	None	10/30/2006 2:00:00 PM		2	0	2	0.9408	0.9486	0.9447	0.0055	0.83%
IONRATIO_MET_IC2_GRAB	None	10/30/2006 2:00:00 PM		2	0	2	0.963	0.9721	0.9676	0.0064	0.94%
K_AA_Grab (UVAVTSSS)	µeq/L	8/1/2005 1:37:00 PM		2	0	2	13.29	13.31	13.3	0.0184	0.20%
K_Ions_Grab (UVAVTSSS)	µeq/L	10/30/2006 2:00:00 PM		2	0	2	11.75	11.8	11.78	0.0328	0.39%
Mg_AA_Grab (UVAVTSSS)	µeq/L	8/1/2005 1:37:00 PM		2	0	2	23.95	24.03	23.99	0.0587	0.35%
Mg_Ions_Grab (UVAVTSSS)	µeq/L	10/30/2006 2:00:00 PM		2	0	2	22.7	22.86	22.78	0.1186	0.74%
Na_AA_Grab (UVAVTSSS)	µeq/L	8/1/2005 1:37:00 PM		2	0	2	53.46	53.81	53.64	0.2461	0.65%
Na_Ions_Grab (UVAVTSSS)	µeq/L	10/30/2006 2:00:00 PM		2	0	2	45.01	45.01	45.01	0.0002	0.00%
NH4_Ions_Grab (UVAVTSSS)	µeq/L	10/30/2006 2:00:00 PM		2	2	0	<0.013	<0.013	***	***	***
NO3_IC_Grab (UVAVTSSS)	µeq/L	8/1/2005 1:37:00 PM		2	0	2	19.96	21.62	20.79	1.172	7.97%
NO3_Ions_Grab (UVAVTSSS)	µeq/L	10/30/2006 2:00:00 PM		2	0	2	30.81	31.21	31.01	0.2865	1.31%
pH_Manual_Grab (UVAVTSSS)	None	8/1/2005 1:37:00 PM		2	0	2	6.55	6.58	6.565	0.0212	0.46%
pH_Manual_Grab (UVAVTSSS)	None	10/30/2006 2:00:00 PM		2	0	2	6.35	6.37	6.36	0.0141	0.31%
pH_Metrohm_Grab (UVAVTSSS)	None	10/30/2006 2:00:00 PM		2	0	2	6.266	6.315	6.29	0.0346	0.78%
SAA_2PT_IC1_GRAB (UVAVTSSS)	µeq/L	8/1/2005 1:37:00 PM		2	0	2	126	129.6	127.8	2.535	2.81%
SAA_2PT_IC2_GRAB (UVAVTSSS)	µeq/L	10/30/2006 2:00:00 PM		2	0	2	120.2	120.8	120.5	0.4595	0.54%

NPSTORET Precision Analysis

Filtered Results

Project VTSSS **Station ID:** VT02 **Station** LEWIS FORK

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
SAA_MET_IC2_GRAB (UVAVTSSS)	µeq/L	10/30/2006 2:00:00 PM		2	0	2	123	123.8	123.4	0.5659	0.65%
SBC_AA_GRAB (UVAVTSSS)	µeq/L	8/1/2005 1:37:00 PM		2	0	2	140.7	140.9	140.8	0.2058	0.21%
SBC_IC2_GRAB (UVAVTSSS)	µeq/L	10/30/2006 2:00:00 PM		2	0	2	127.4	127.7	127.5	0.2589	0.29%
SiO2_TC_Grab (UVAVTSSS)	µmol/L	8/1/2005 1:37:00 PM		2	0	2	150	150.3	150.2	0.1527	0.14%
SiO2_TC_Grab (UVAVTSSS)	µmol/L	10/30/2006 2:00:00 PM		2	0	2	120.2	121.5	120.9	0.857	1.00%
SO4_IC_Grab (UVAVTSSS)	µeq/L	8/1/2005 1:37:00 PM		2	0	2	50.52	50.79	50.66	0.1916	0.53%
SO4_Ions_Grab (UVAVTSSS)	µeq/L	10/30/2006 2:00:00 PM		2	0	2	54.91	55.17	55.04	0.1854	0.48%

Project VTSSS **Station ID:** VT03 **Station** FOX CREEK

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
ANC_Manual_Grab (UVAVTSSS)	µeq/L	7/31/2006 1:10:00 PM		2	0	2	111	111.1	111.1	0.0713	0.09%
Ca_Ions_Grab (UVAVTSSS)	µeq/L	7/31/2006 1:10:00 PM		2	0	2	57.46	57.6	57.53	0.0993	0.24%
Cl_Ions_Grab (UVAVTSSS)	µeq/L	7/31/2006 1:10:00 PM		2	0	2	176.9	180.8	178.8	2.77	2.19%
Cond_VWR_Manual_Grab (UVAVTSSS)	µS/cm	7/31/2006 1:10:00 PM		2	0	2	37.5	37.9	37.7	0.2828	1.06%
IONRATIO_2PT_IC2_GRAB (UVAVTSSS)	None	7/31/2006 1:10:00 PM		2	0	2	0.9411	0.943	0.9421	0.0013	0.20%
K_Ions_Grab (UVAVTSSS)	µeq/L	7/31/2006 1:10:00 PM		2	0	2	19.02	19.12	19.07	0.07	0.52%
Mg_Ions_Grab (UVAVTSSS)	µeq/L	7/31/2006 1:10:00 PM		2	0	2	42.48	42.49	42.48	0.0113	0.04%
Na_Ions_Grab (UVAVTSSS)	µeq/L	7/31/2006 1:10:00 PM		2	0	2	224.6	229.1	226.8	3.183	1.98%

NPSTORET Precision Analysis

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Project VTSSS **Station ID:** VT03 **Station** FOX CREEK

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
NH4_Ions_Grab (UVAVTSSS)	µeq/L	7/31/2006 1:10:00 PM		2	2	0	<0.013	<0.013	***	***	***
NO3_Ions_Grab (UVAVTSSS)	µeq/L	7/31/2006 1:10:00 PM		2	2	0	<0.081	<0.081	***	***	***
pH_Manual_Grab (UVAVTSSS)	None	7/31/2006 1:10:00 PM		2	0	2	6.3	6.39	6.345	0.0636	1.42%
SAA_2PT_IC2_GRAB (UVAVTSSS)	µeq/L	7/31/2006 1:10:00 PM		2	0	2	323.3	328.4	325.9	3.601	1.56%
SBC_IC2_GRAB (UVAVTSSS)	µeq/L	7/31/2006 1:10:00 PM		2	0	2	343.5	348.3	345.9	3.341	1.37%
SiO2_TC_Grab (UVAVTSSS)	µmol/L	7/31/2006 1:10:00 PM		2	0	2	149.1	149.1	149.1	0.0233	0.02%
SO4_Ions_Grab (UVAVTSSS)	µeq/L	7/31/2006 1:10:00 PM		2	0	2	35.4	36.47	35.94	0.7592	2.99%

Project VTSSS **Station ID:** VT04 **Station** LITTLE WILSON CREEK

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
ANC_Manual_Grab (UVAVTSSS)	µeq/L	1/30/2006 10:39:00 AM		2	0	2	23.67	23.67	23.67	0	0.00%
Ca_Ions_Grab (UVAVTSSS)	µeq/L	1/30/2006 10:39:00 AM		2	0	2	24.1	24.89	24.5	0.5586	3.22%
Cl_Ions_Grab (UVAVTSSS)	µeq/L	1/30/2006 10:39:00 AM		2	0	2	11.43	11.44	11.43	0.0021	0.03%
Cond_VWR_Manual_Grab (UVAVTSSS)	µS/cm	1/30/2006 10:39:00 AM		2	0	2	12.2	12.2	12.2	0	0.00%
IONRATIO_2PT_IC2_GRAB (UVAVTSSS)	None	1/30/2006 10:39:00 AM		2	0	2	0.8107	0.8193	0.815	0.0061	1.05%
K_Ions_Grab (UVAVTSSS)	µeq/L	1/30/2006 10:39:00 AM		2	0	2	9.472	9.623	9.548	0.1069	1.58%
Mg_Ions_Grab (UVAVTSSS)	µeq/L	1/30/2006 10:39:00 AM		2	0	2	16.48	17	16.74	0.3675	3.10%
Na_Ions_Grab (UVAVTSSS)	µeq/L	1/30/2006 10:39:00 AM		2	0	2	53.25	53.41	53.33	0.1117	0.30%

NPSTORET Precision Analysis

Filtered Results

Project VTSSS **Station ID:** VT04 **Station** LITTLE WILSON CREEK

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
NH4_Ions_Grab (UVAVTSSS)	µeq/L	1/30/2006 10:39:00 AM		2	2	0	<0.013	<0.013	***	***	***
NO3_Ions_Grab (UVAVTSSS)	µeq/L	1/30/2006 10:39:00 AM		2	2	0	<0.081	<0.081	***	***	***
pH_Manual_Grab (UVAVTSSS)	None	1/30/2006 10:39:00 AM		2	0	2	6.38	6.41	6.395	0.0212	0.47%
SAA_2PT_IC2_GRAB (UVAVTSSS)	µeq/L	1/30/2006 10:39:00 AM		2	0	2	84.64	85.07	84.85	0.301	0.50%
SBC_IC2_GRAB (UVAVTSSS)	µeq/L	1/30/2006 10:39:00 AM		2	0	2	103.3	104.9	104.1	1.145	1.55%
SiO2_TC_Grab (UVAVTSSS)	µmol/L	1/30/2006 10:39:00 AM		2	0	2	130	130.6	130.3	0.4108	0.45%
SO4_Ions_Grab (UVAVTSSS)	µeq/L	1/30/2006 10:39:00 AM		2	0	2	49.5	49.92	49.71	0.2989	0.85%

Project VTSSS **Station ID:** VT05 **Station** RACCOON BRANCH

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
ANC_Manual_Grab (UVAVTSSS)	µeq/L	5/1/2006 2:11:00 PM		2	0	2	36.17	37.81	36.99	1.164	4.45%
Ca_Ions_Grab (UVAVTSSS)	µeq/L	5/1/2006 2:11:00 PM		2	0	2	20.32	20.59	20.46	0.1959	1.35%
Cl_Ions_Grab (UVAVTSSS)	µeq/L	5/1/2006 2:11:00 PM		2	0	2	11.65	11.74	11.69	0.0654	0.79%
Cond_VWR_Manual_Grab (UVAVTSSS)	µS/cm	5/1/2006 2:11:00 PM		2	0	2	10.9	10.9	10.9	0	0.00%
IONRATIO_2PT_IC2_GRAB (UVAVTSSS)	None	5/1/2006 2:11:00 PM		2	0	2	0.88	0.8996	0.8898	0.0138	2.20%
K_Ions_Grab (UVAVTSSS)	µeq/L	5/1/2006 2:11:00 PM		2	0	2	18.79	18.85	18.82	0.0438	0.33%
Mg_Ions_Grab (UVAVTSSS)	µeq/L	5/1/2006 2:11:00 PM		2	0	2	32.79	32.98	32.88	0.1363	0.59%
Na_Ions_Grab (UVAVTSSS)	µeq/L	5/1/2006 2:11:00 PM		2	0	2	25.04	25.09	25.07	0.0401	0.23%

NPSTORET Precision Analysis

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Project VTSSS **Station ID:** VT05 **Station** RACCOON BRANCH

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
NH4_Ions_Grab (UVAVTSSS)	µeq/L	5/1/2006 2:11:00 PM		2	2	0	<0.013	<0.013	***	***	***
NO3_Ions_Grab (UVAVTSSS)	µeq/L	5/1/2006 2:11:00 PM		2	2	0	<0.081	<0.081	***	***	***
pH_Manual_Grab (UVAVTSSS)	None	5/1/2006 2:11:00 PM		2	0	2	6.64	6.67	6.655	0.0212	0.45%
SAA_2PT_IC2_GRAB (UVAVTSSS)	µeq/L	5/1/2006 2:11:00 PM		2	0	2	85.3	87.73	86.52	1.715	2.80%
SBC_IC2_GRAB (UVAVTSSS)	µeq/L	5/1/2006 2:11:00 PM		2	0	2	96.94	97.53	97.23	0.4162	0.61%
SiO2_TC_Grab (UVAVTSSS)	µmol/L	5/1/2006 2:11:00 PM		2	0	2	94.84	94.95	94.89	0.082	0.12%
SO4_Ions_Grab (UVAVTSSS)	µeq/L	5/1/2006 2:11:00 PM		2	0	2	37.45	38.13	37.79	0.4848	1.81%

Project VTSSS **Station ID:** VT07 **Station** COVE BRANCH

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
ANC_Manual_Grab (UVAVTSSS)	µeq/L	7/27/2005 10:30:00 AM		2	0	2	-3.3	-0.8	-2.05	1.768	121.95%
Ca_AA_Grab (UVAVTSSS)	µeq/L	7/27/2005 10:30:00 AM		2	0	2	49.35	49.85	49.6	0.3528	1.01%
Cl_IC_Grab (UVAVTSSS)	µeq/L	7/27/2005 10:30:00 AM		2	0	2	13.82	14.72	14.27	0.6378	6.32%
Cond_VWR_Manual_Grab (UVAVTSSS)	µS/cm	7/27/2005 10:30:00 AM		2	0	2	16.1	16.8	16.45	0.495	4.26%
IONRATIO_2PT_IC1_AA_GRAB (UVAVTSSS)	None	7/27/2005 10:30:00 AM		2	0	2	0.8098	0.843	0.8264	0.0235	4.02%
K_AA_Grab (UVAVTSSS)	µeq/L	7/27/2005 10:30:00 AM		2	0	2	7.04	7.834	7.437	0.5614	10.68%
Mg_AA_Grab (UVAVTSSS)	µeq/L	7/27/2005 10:30:00 AM		2	0	2	24.36	24.69	24.53	0.2326	1.34%

NPSTORET Precision Analysis

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Project VTSSS **Station ID:** VT07 **Station** COVE BRANCH

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
Na_AA_Grab (UVAVTSSS)	µeq/L	7/27/2005 10:30:00 AM		2	0	2	20.53	21.45	20.99	0.6463	4.35%
NO3_IC_Grab (UVAVTSSS)	µeq/L	7/27/2005 10:30:00 AM		2	2	0	<0.201	<0.201	***	***	***
O_AL_TC_Grab (UVAVTSSS)	µg/l	7/27/2005 10:30:00 AM		2	0	2	79.42	82.32	80.87	2.052	3.59%
pH_Manual_Grab (UVAVTSSS)	None	7/27/2005 10:30:00 AM		2	0	2	5.04	5.07	5.055	0.0212	0.59%
SAA_2PT_IC1_GRAB (UVAVTSSS)	µeq/L	7/27/2005 10:30:00 AM		2	0	2	83.41	86.08	84.74	1.894	3.16%
SBC_AA_GRAB (UVAVTSSS)	µeq/L	7/27/2005 10:30:00 AM		2	0	2	102.1	103	102.6	0.6223	0.86%
SiO2_TC_Grab (UVAVTSSS)	µmol/L	7/27/2005 10:30:00 AM		2	0	2	66.8	66.96	66.88	0.1174	0.25%
SO4_IC_Grab (UVAVTSSS)	µeq/L	7/27/2005 10:30:00 AM		2	0	2	71.89	72.97	72.43	0.7644	1.49%
T_AL_TC_Grab (UVAVTSSS)	µg/l	7/27/2005 10:30:00 AM		2	0	2	103.3	104	103.6	0.5381	0.73%

Project VTSSS **Station ID:** VT11 **Station** MARE RUN

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
ANC_Manual_Grab (UVAVTSSS)	µeq/L	4/25/2005 1:54:00 PM		2	0	2	9.4	9.4	9.4	0	0.00%
Ca_AA_Grab (UVAVTSSS)	µeq/L	4/25/2005 1:54:00 PM		2	0	2	28.44	28.54	28.49	0.0707	0.35%
Cl_IC_Grab (UVAVTSSS)	µeq/L	4/25/2005 1:54:00 PM		2	0	2	13.68	13.7	13.69	0.0198	0.20%
Cond_VWR_Manual_Grab (UVAVTSSS)	µS/cm	4/25/2005 1:54:00 PM		2	0	2	10.5	10.6	10.55	0.0707	0.95%
IONRATIO_2PT_IC1_AA_GRAB (UVAVTSSS)	None	4/25/2005 1:54:00 PM		2	0	2	0.7849	0.785	0.785	0.00005	0.01%

NPSTORET Precision Analysis

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Project VTSSS **Station ID:** VT11 **Station** MARE RUN

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
K_AA_Grab (UVAVTSSS)	µeq/L	4/25/2005 1:54:00 PM		2	0	2	11.98	12.01	11.99	0.0177	0.21%
Mg_AA_Grab (UVAVTSSS)	µeq/L	4/25/2005 1:54:00 PM		2	0	2	30.04	30.2	30.12	0.1167	0.55%
Na_AA_Grab (UVAVTSSS)	µeq/L	4/25/2005 1:54:00 PM		2	0	2	12.75	12.92	12.83	0.123	1.36%
NO3_IC_Grab (UVAVTSSS)	µeq/L	4/25/2005 1:54:00 PM		2	2	0	<0.201	<0.201	***	***	***
pH_Manual_Grab (UVAVTSSS)	None	4/25/2005 1:54:00 PM		2	0	2	6.11	6.12	6.115	0.0071	0.16%
SAA_2PT_IC1_GRAB (UVAVTSSS)	µeq/L	4/25/2005 1:54:00 PM		2	0	2	65.44	65.55	65.5	0.0785	0.17%
SBC_AA_GRAB (UVAVTSSS)	µeq/L	4/25/2005 1:54:00 PM		2	0	2	83.37	83.51	83.44	0.0948	0.16%
SiO2_TC_Grab (UVAVTSSS)	µmol/L	4/25/2005 1:54:00 PM		2	0	2	60.62	60.81	60.71	0.1294	0.30%
SO4_IC_Grab (UVAVTSSS)	µeq/L	4/25/2005 1:54:00 PM		2	0	2	42.27	42.35	42.31	0.0587	0.20%

Project VTSSS **Station ID:** VT14 **Station** LITTLE WILSON CREEK

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
ANC_Manual_Grab (UVAVTSSS)	µeq/L	5/1/2006 12:15:00 PM		2	0	2	20.31	20.31	20.31	0	0.00%
Ca_Ions_Grab (UVAVTSSS)	µeq/L	5/1/2006 12:15:00 PM		2	0	2	29.97	30.13	30.05	0.1126	0.53%
Cl_Ions_Grab (UVAVTSSS)	µeq/L	5/1/2006 12:15:00 PM		2	0	2	13.64	13.7	13.67	0.0455	0.47%
Cond_VWR_Manual_Grab (UVAVTSSS)	µS/cm	5/1/2006 12:15:00 PM		2	0	2	10.4	10.4	10.4	0	0.00%
IONRATIO_2PT_IC2_GRAB (UVAVTSSS)	None	5/1/2006 12:15:00 PM		2	0	2	0.8429	0.856	0.8495	0.0092	1.54%
K_Ions_Grab (UVAVTSSS)	µeq/L	5/1/2006 12:15:00 PM		2	0	2	11.36	11.51	11.44	0.1098	1.36%

NPSTORET Precision Analysis

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Project VTSSS **Station ID:** VT14 **Station** LITTLE WILSON CREEK

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
Mg_Ions_Grab (UVAVTSSS)	µeq/L	5/1/2006 12:15:00 PM		2	0	2	31.83	32.3	32.06	0.3309	1.46%
Na_Ions_Grab (UVAVTSSS)	µeq/L	5/1/2006 12:15:00 PM		2	0	2	14.3	14.47	14.38	0.1227	1.21%
NH4_Ions_Grab (UVAVTSSS)	µeq/L	5/1/2006 12:15:00 PM		2	2	0	<0.013	<0.013	***	***	***
NO3_Ions_Grab (UVAVTSSS)	µeq/L	5/1/2006 12:15:00 PM		2	2	0	<0.081	<0.081	***	***	***
pH_Manual_Grab (UVAVTSSS)	None	5/1/2006 12:15:00 PM		2	0	2	6.38	6.38	6.38	0	0.00%
SAA_2PT_IC2_GRAB (UVAVTSSS)	µeq/L	5/1/2006 12:15:00 PM		2	0	2	74.53	74.87	74.7	0.2371	0.45%
SBC_IC2_GRAB (UVAVTSSS)	µeq/L	5/1/2006 12:15:00 PM		2	0	2	87.46	88.42	87.94	0.676	1.09%
SiO2_TC_Grab (UVAVTSSS)	µmol/L	5/1/2006 12:15:00 PM		2	0	2	65.12	65.12	65.12	0	0.00%
SO4_Ions_Grab (UVAVTSSS)	µeq/L	5/1/2006 12:15:00 PM		2	0	2	40.53	40.81	40.67	0.1916	0.67%

Project VTSSS **Station ID:** VT15 **Station** PORTERS CREEK

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
ANC_Manual_Grab (UVAVTSSS)	µeq/L	10/31/2006 10:48:00 AM		2	0	2	12.82	14.52	13.67	1.204	12.46%
ANC_Metrohm_Grab (UVAVTSSS)	µeq/L	10/31/2006 10:48:00 AM		2	0	2	28	29.69	28.84	1.191	5.84%
Ca_Ions_Grab (UVAVTSSS)	µeq/L	10/31/2006 10:48:00 AM		2	0	2	27.04	27.43	27.24	0.2786	1.45%
Cl_Ions_Grab (UVAVTSSS)	µeq/L	10/31/2006 10:48:00 AM		2	0	2	14.92	15	14.96	0.0502	0.47%
Cond_VWR_Manual_Grab (UVAVTSSS)	µS/cm	10/31/2006 10:48:00 AM		2	0	2	10.2	10.4	10.3	0.1414	1.94%
IONRATIO_2PT_IC2_GRAB (UVAVTSSS)	None	10/31/2006 10:48:00 AM		2	0	2	0.8774	0.8872	0.8823	0.007	1.12%

NPSTORET Precision Analysis

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Project VTSSS **Station ID:** VT15 **Station** PORTERS CREEK

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
IONRATIO_MET_IC2_GRAB	None	10/31/2006 10:48:00 AM		2	0	2	1.057	1.089	1.073	0.0226	2.98%
K_Ions_Grab (UVAVTSSS)	µeq/L	10/31/2006 10:48:00 AM		2	0	2	12.01	12.08	12.04	0.0492	0.58%
Mg_Ions_Grab (UVAVTSSS)	µeq/L	10/31/2006 10:48:00 AM		2	0	2	25.12	25.64	25.38	0.3648	2.03%
Na_Ions_Grab (UVAVTSSS)	µeq/L	10/31/2006 10:48:00 AM		2	0	2	15.01	15.08	15.05	0.0547	0.51%
NH4_Ions_Grab (UVAVTSSS)	µeq/L	10/31/2006 10:48:00 AM		2	2	0	<0.013	<0.013	***	***	***
NO3_Ions_Grab (UVAVTSSS)	µeq/L	10/31/2006 10:48:00 AM		2	0	2	0.491	0.523	0.507	0.0226	6.32%
pH_Manual_Grab (UVAVTSSS)	None	10/31/2006 10:48:00 AM		2	0	2	5.98	5.98	5.98	0	0.00%
pH_Metrohm_Grab (UVAVTSSS)	None	10/31/2006 10:48:00 AM		2	0	2	5.932	5.955	5.944	0.0163	0.39%
SAA_2PT_IC2_GRAB (UVAVTSSS)	µeq/L	10/31/2006 10:48:00 AM		2	0	2	70.06	70.61	70.33	0.3888	0.78%
SAA_MET_IC2_GRAB (UVAVTSSS)	µeq/L	10/31/2006 10:48:00 AM		2	0	2	84.09	86.93	85.51	2.007	3.32%
SBC_IC2_GRAB (UVAVTSSS)	µeq/L	10/31/2006 10:48:00 AM		2	0	2	79.58	79.85	79.71	0.1901	0.34%
SiO2_TC_Grab (UVAVTSSS)	µmol/L	10/31/2006 10:48:00 AM		2	0	2	85.9	86.15	86.03	0.1761	0.29%
SO4_Ions_Grab (UVAVTSSS)	µeq/L	10/31/2006 10:48:00 AM		2	0	2	40.6	41.79	41.2	0.8432	2.89%
T_AL_TC_Grab (UVAVTSSS)	µg/l	10/31/2006 10:48:00 AM		2	0	2	17.25	17.92	17.58	0.4723	3.80%

Project VTSSS **Station ID:** VT18 **Station** BEARWALLOW RUN

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
ANC_Manual_Grab (UVAVTSSS)	µeq/L	1/30/2006 11:00:00 AM		2	0	2	37.81	37.81	37.81	0	0.00%

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Project VTSSS **Station ID:** VT18 **Station** BEARWALLOW RUN

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
Ca_Ions_Grab (UVAVTSSS)	µeq/L	1/30/2006 11:00:00 AM		2	0	2	65.49	66.82	66.16	0.9414	2.01%
Cl_Ions_Grab (UVAVTSSS)	µeq/L	1/30/2006 11:00:00 AM		2	0	2	11.7	11.76	11.73	0.0395	0.48%
Cond_VWR_Manual_ Grab (UVAVTSSS)	µS/cm	1/30/2006 11:00:00 AM		2	0	2	18.9	19	18.95	0.0707	0.53%
IONRATIO_2PT_IC2 _GRAB (UVAVTSSS)	None	1/30/2006 11:00:00 AM		2	0	2	0.7917	0.8253	0.8085	0.0238	4.16%
K_Ions_Grab (UVAVTSSS)	µeq/L	1/30/2006 11:00:00 AM		2	0	2	15.12	15.46	15.29	0.2409	2.23%
Mg_Ions_Grab (UVAVTSSS)	µeq/L	1/30/2006 11:00:00 AM		2	0	2	54.15	55.22	54.69	0.7577	1.96%
Na_Ions_Grab (UVAVTSSS)	µeq/L	1/30/2006 11:00:00 AM		2	0	2	24.97	25.39	25.18	0.2971	1.67%
NH4_Ions_Grab (UVAVTSSS)	µeq/L	1/30/2006 11:00:00 AM		2	1	1	<0.013	0.1661	0.1661	***	***
NO3_Ions_Grab (UVAVTSSS)	µeq/L	1/30/2006 11:00:00 AM		2	1	1	<0.081	3.356	3.356	***	***
pH_Manual_Grab (UVAVTSSS)	None	1/30/2006 11:00:00 AM		2	0	2	6.51	6.53	6.52	0.0141	0.31%
SAA_2PT_IC2_GRA B (UVAVTSSS)	µeq/L	1/30/2006 11:00:00 AM		2	0	2	129	132	130.5	2.119	2.30%
SBC_IC2_GRAB (UVAVTSSS)	µeq/L	1/30/2006 11:00:00 AM		2	0	2	159.9	162.9	161.4	2.124	1.86%
SiO2_TC_Grab (UVAVTSSS)	µmol/L	1/30/2006 11:00:00 AM		2	0	2	80.78	80.92	80.85	0.1054	0.18%
SO4_Ions_Grab (UVAVTSSS)	µeq/L	1/30/2006 11:00:00 AM		2	0	2	79.1	79.36	79.23	0.1857	0.33%

Project VTSSS **Station ID:** VT24 **Station** SHAWVERS RUN

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
ANC_Manual_Grab (UVAVTSSS)	µeq/L	4/25/2005 9:15:00 AM		2	0	2	16.9	18.7	17.8	1.273	10.11%

NPSTORET Precision Analysis

Filtered Results

Project VTSSS **Station ID:** VT24 **Station** SHAWVERS RUN

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
Ca_AA_Grab (UVAVTSSS)	µeq/L	4/25/2005 9:15:00 AM		2	0	2	47.36	47.36	47.36	0	0.00%
Cl_IC_Grab (UVAVTSSS)	µeq/L	4/25/2005 9:15:00 AM		2	0	2	15.28	15.42	15.35	0.0997	0.92%
Cond_VWR_Manual_ Grab (UVAVTSSS)	µS/cm	4/25/2005 9:15:00 AM		2	0	2	12.5	12.6	12.55	0.0707	0.80%
IONRATIO_2PT_IC1 _AA_GRAB (UVAVTSSS)	None	4/25/2005 9:15:00 AM		2	0	2	0.9144	0.9333	0.9239	0.0134	2.05%
K_AA_Grab (UVAVTSSS)	µeq/L	4/25/2005 9:15:00 AM		2	0	2	10.68	10.75	10.71	0.0544	0.72%
Mg_AA_Grab (UVAVTSSS)	µeq/L	4/25/2005 9:15:00 AM		2	0	2	26.75	26.99	26.87	0.1739	0.92%
Na_AA_Grab (UVAVTSSS)	µeq/L	4/25/2005 9:15:00 AM		2	0	2	14.66	14.75	14.7	0.0615	0.59%
NO3_IC_Grab (UVAVTSSS)	µeq/L	4/25/2005 9:15:00 AM		2	2	0	<0.201	<0.201	***	***	***
pH_Manual_Grab (UVAVTSSS)	None	4/25/2005 9:15:00 AM		2	0	2	6.25	6.26	6.255	0.0071	0.16%
SAA_2PT_IC1_GRA B (UVAVTSSS)	µeq/L	4/25/2005 9:15:00 AM		2	0	2	91	93.11	92.06	1.491	2.29%
SBC_AA_GRAB (UVAVTSSS)	µeq/L	4/25/2005 9:15:00 AM		2	0	2	99.52	99.76	99.64	0.1669	0.24%
SiO2_TC_Grab (UVAVTSSS)	µmol/L	4/25/2005 9:15:00 AM		2	0	2	80.31	80.94	80.63	0.4462	0.78%
SO4_IC_Grab (UVAVTSSS)	µeq/L	4/25/2005 9:15:00 AM		2	0	2	58.72	58.88	58.8	0.1181	0.28%

Project VTSSS **Station ID:** VT25 **Station** COVE BRANCH

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
ANC_Manual_Grab (UVAVTSSS)	µeq/L	7/26/2006 9:30:00 AM		2	0	2	6.113	7.938	7.026	1.29	25.97%

NPSTORET Precision Analysis

Filtered Results

Project VTSSS **Station ID:** VT25 **Station** COVE BRANCH

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
Ca_Ions_Grab (UVAVTSSS)	µeq/L	7/26/2006 9:30:00 AM		2	0	2	24.89	25.16	25.02	0.1875	1.06%
Cl_Ions_Grab (UVAVTSSS)	µeq/L	7/26/2006 9:30:00 AM		2	0	2	13.85	13.91	13.88	0.038	0.39%
Cond_VWR_Manual_ Grab (UVAVTSSS)	µS/cm	7/26/2006 9:30:00 AM		2	0	2	9.1	9.4	9.25	0.2121	3.24%
IONRATIO_2PT_IC2 _GRAB (UVAVTSSS)	None	7/26/2006 9:30:00 AM		2	0	2	0.8071	0.8277	0.8174	0.0145	2.51%
K_Ions_Grab (UVAVTSSS)	µeq/L	7/26/2006 9:30:00 AM		2	0	2	7.97	7.974	7.972	0.003	0.05%
Mg_Ions_Grab (UVAVTSSS)	µeq/L	7/26/2006 9:30:00 AM		2	0	2	25.22	25.24	25.23	0.013	0.07%
Na_Ions_Grab (UVAVTSSS)	µeq/L	7/26/2006 9:30:00 AM		2	0	2	12.43	12.45	12.44	0.0122	0.14%
NH4_Ions_Grab (UVAVTSSS)	µeq/L	7/26/2006 9:30:00 AM		2	2	0	<0.013	<0.013	***	***	***
NO3_Ions_Grab (UVAVTSSS)	µeq/L	7/26/2006 9:30:00 AM		2	2	0	<0.081	<0.081	***	***	***
pH_Manual_Grab (UVAVTSSS)	None	7/26/2006 9:30:00 AM		2	0	2	5.83	5.89	5.86	0.0424	1.02%
SAA_2PT_IC2_GRA B (UVAVTSSS)	µeq/L	7/26/2006 9:30:00 AM		2	0	2	56.94	58.61	57.78	1.182	2.89%
SBC_IC2_GRAB (UVAVTSSS)	µeq/L	7/26/2006 9:30:00 AM		2	0	2	70.55	70.81	70.68	0.1897	0.38%
SiO2_TC_Grab (UVAVTSSS)	µmol/L	7/26/2006 9:30:00 AM		2	0	2	77.72	77.94	77.83	0.1527	0.28%
SO4_Ions_Grab (UVAVTSSS)	µeq/L	7/26/2006 9:30:00 AM		2	0	2	36.78	36.88	36.83	0.0709	0.27%
T_AL_TC_Grab (UVAVTSSS)	µg/l	7/26/2006 9:30:00 AM		2	0	2	22.6	23.36	22.98	0.5445	3.35%

NPSTORET Precision Analysis

Filtered Results

Project VTSSS **Station ID:** VT26 **Station** PINE SWAMP BRANCH

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
ANC_Manual_Grab (UVAVTSSS)	µeq/L	7/25/2005 3:00:00 PM		2	0	2	-5.6	-4.7	-5.15	0.6364	17.48%
ANC_Manual_Grab (UVAVTSSS)	µeq/L	10/27/2005 2:20:00 PM		2	0	2	-3.82946	-3.14567	-3.487565	0.4835	19.61%
Ca_AA_Grab (UVAVTSSS)	µeq/L	7/25/2005 3:00:00 PM		2	0	2	37.28	37.58	37.42	0.2121	0.80%
Ca_Ions_Grab (UVAVTSSS)	µeq/L	10/27/2005 2:20:00 PM		2	0	2	35.52	36.26	35.89	0.5228	2.06%
Cl_IC_Grab (UVAVTSSS)	µeq/L	7/25/2005 3:00:00 PM		2	0	2	16.58	16.64	16.61	0.0396	0.34%
Cl_Ions_Grab (UVAVTSSS)	µeq/L	10/27/2005 2:20:00 PM		2	0	2	15.79	15.93	15.86	0.0996	0.89%
Cond_VWR_Manual_Grab (UVAVTSSS)	µS/cm	7/25/2005 3:00:00 PM		2	0	2	14.7	14.7	14.7	0	0.00%
Cond_VWR_Manual_Grab (UVAVTSSS)	µS/cm	10/27/2005 2:20:00 PM		2	0	2	12.9	13.1	13	0.1414	1.54%
IONRATIO_2PT_IC1_AA_GRAB (UVAVTSSS)	None	7/25/2005 3:00:00 PM		2	0	2	0.9581	0.9835	0.9708	0.018	2.62%
IONRATIO_2PT_IC2_GRAB (UVAVTSSS)	None	10/27/2005 2:20:00 PM		2	0	2	0.9092	0.97	0.9396	0.043	6.47%
K_AA_Grab (UVAVTSSS)	µeq/L	7/25/2005 3:00:00 PM		2	0	2	5.171	5.248	5.21	0.0544	1.48%
K_Ions_Grab (UVAVTSSS)	µeq/L	10/27/2005 2:20:00 PM		2	0	2	5.651	5.697	5.674	0.0326	0.81%
Mg_AA_Grab (UVAVTSSS)	µeq/L	7/25/2005 3:00:00 PM		2	0	2	28.89	29.22	29.05	0.2326	1.13%
Mg_Ions_Grab (UVAVTSSS)	µeq/L	10/27/2005 2:20:00 PM		2	0	2	29.87	31.92	30.9	1.449	6.63%
Na_AA_Grab (UVAVTSSS)	µeq/L	7/25/2005 3:00:00 PM		2	0	2	13.05	13.09	13.07	0.0304	0.33%
Na_Ions_Grab (UVAVTSSS)	µeq/L	10/27/2005 2:20:00 PM		2	0	2	12.42	13.2	12.81	0.5538	6.11%
NH4_Ions_Grab (UVAVTSSS)	µeq/L	10/27/2005 2:20:00 PM		2	0	2	0.3213	0.921	0.6211	0.4241	96.55%

NPSTORET Precision Analysis

Filtered Results

Project VTSSS **Station ID:** VT26 **Station** PINE SWAMP BRANCH

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
NO3_IC_Grab (UVAVTSSS)	µeq/L	7/25/2005 3:00:00 PM		2	2	0	<0.201	<0.201	***	***	***
NO3_Ions_Grab (UVAVTSSS)	µeq/L	10/27/2005 2:20:00 PM		2	2	0	<0.081	<0.081	***	***	***
pH_Manual_Grab (UVAVTSSS)	None	7/25/2005 3:00:00 PM		2	0	2	5.06	5.07	5.065	0.0071	0.20%
pH_Manual_Grab (UVAVTSSS)	None	10/27/2005 2:20:00 PM		2	0	2	5.29	5.31	5.3	0.0141	0.38%
SAA_2PT_IC1_GRAB (UVAVTSSS)	µeq/L	7/25/2005 3:00:00 PM		2	0	2	81.45	83.11	82.28	1.177	2.02%
SAA_2PT_IC2_GRAB (UVAVTSSS)	µeq/L	10/27/2005 2:20:00 PM		2	0	2	79.98	81.32	80.65	0.9495	1.66%
SBC_AA_GRAB (UVAVTSSS)	µeq/L	7/25/2005 3:00:00 PM		2	0	2	84.5	85.01	84.76	0.3599	0.60%
SBC_IC2_GRAB (UVAVTSSS)	µeq/L	10/27/2005 2:20:00 PM		2	0	2	83.83	87.96	85.9	2.917	4.80%
SiO2_TC_Grab (UVAVTSSS)	µmol/L	7/25/2005 3:00:00 PM		2	0	2	84.81	85.21	85.01	0.2821	0.47%
SiO2_TC_Grab (UVAVTSSS)	µmol/L	10/27/2005 2:20:00 PM		2	0	2	85.96	86.15	86.05	0.1407	0.23%
SO4_IC_Grab (UVAVTSSS)	µeq/L	7/25/2005 3:00:00 PM		2	0	2	70.37	71.07	70.72	0.5006	1.00%
SO4_Ions_Grab (UVAVTSSS)	µeq/L	10/27/2005 2:20:00 PM		2	0	2	67.97	68.49	68.23	0.3664	0.76%
T_AL_TC_Grab (UVAVTSSS)	µg/l	7/25/2005 3:00:00 PM		2	0	2	37.29	38	37.64	0.4985	1.87%
T_AL_TC_Grab (UVAVTSSS)	µg/l	10/27/2005 2:20:00 PM		2	0	2	30.87	31.36	31.12	0.3486	1.58%

Project VTSSS **Station ID:** VT28 **Station** NF STONY CREEK

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
ANC_Manual_Grab (UVAVTSSS)	µeq/L	4/26/2006 11:30:00 AM		2	0	2	-2.18303	-0.64589	-1.41446	1.087	108.67%

NPSTORET Precision Analysis

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Project VTSSS **Station ID:** VT28 **Station** NF STONY CREEK

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
Ca_Ions_Grab (UVAVTSSS)	µeq/L	4/26/2006 11:30:00 AM		2	0	2	23.62	23.66	23.64	0.0228	0.14%
Cl_Ions_Grab (UVAVTSSS)	µeq/L	4/26/2006 11:30:00 AM		2	0	2	13.99	14.09	14.04	0.0727	0.73%
Cond_VWR_Manual_ Grab (UVAVTSSS)	µS/cm	4/26/2006 11:30:00 AM		2	0	2	10.3	10.6	10.45	0.2121	2.87%
IONRATIO_2PT_IC2 _GRAB (UVAVTSSS)	None	4/26/2006 11:30:00 AM		2	0	2	0.8598	0.8748	0.8673	0.0106	1.74%
K_Ions_Grab (UVAVTSSS)	µeq/L	4/26/2006 11:30:00 AM		2	0	2	7.658	7.669	7.664	0.008	0.15%
Mg_Ions_Grab (UVAVTSSS)	µeq/L	4/26/2006 11:30:00 AM		2	0	2	26.6	26.64	26.62	0.0276	0.15%
Na_Ions_Grab (UVAVTSSS)	µeq/L	4/26/2006 11:30:00 AM		2	0	2	10.64	10.7	10.67	0.0421	0.56%
NH4_Ions_Grab (UVAVTSSS)	µeq/L	4/26/2006 11:30:00 AM		2	2	0	<0.013	<0.013	***	***	***
NO3_Ions_Grab (UVAVTSSS)	µeq/L	4/26/2006 11:30:00 AM		2	2	0	<0.081	<0.081	***	***	***
pH_Manual_Grab (UVAVTSSS)	None	4/26/2006 11:30:00 AM		2	0	2	5.43	5.45	5.44	0.0141	0.37%
SAA_2PT_IC2_GRA B (UVAVTSSS)	µeq/L	4/26/2006 11:30:00 AM		2	0	2	59.02	59.98	59.5	0.6824	1.62%
SBC_IC2_GRAB (UVAVTSSS)	µeq/L	4/26/2006 11:30:00 AM		2	0	2	68.56	68.64	68.6	0.0548	0.11%
SiO2_TC_Grab (UVAVTSSS)	µmol/L	4/26/2006 11:30:00 AM		2	0	2	62.85	63.05	62.95	0.1407	0.32%
SO4_Ions_Grab (UVAVTSSS)	µeq/L	4/26/2006 11:30:00 AM		2	0	2	46.6	47.07	46.84	0.3318	1.00%
T_AL_TC_Grab (UVAVTSSS)	µg/l	4/26/2006 11:30:00 AM		2	0	2	29.44	29.59	29.51	0.1032	0.49%

NPSTORET Precision Analysis

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Project VTSSS **Station ID:** VT31 **Station** NOBUSINESS CREEK

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
ANC_Manual_Grab (UVAVTSSS)	µeq/L	1/27/2005 3:55:00 PM		2	0	2	-7.2	-7.2	-7.2	0	0.00%
ANC_Manual_Grab (UVAVTSSS)	µeq/L	1/26/2006 3:00:00 PM		2	0	2	-8.82895	-6.32921	-7.57908	1.768	32.98%
Ca_AA_Grab (UVAVTSSS)	µeq/L	1/27/2005 3:55:00 PM		2	0	2	14.42	14.82	14.62	0.2821	2.73%
Ca_Ions_Grab (UVAVTSSS)	µeq/L	1/26/2006 3:00:00 PM		2	0	2	17.21	17.25	17.23	0.0282	0.23%
Cl_IC_Grab (UVAVTSSS)	µeq/L	1/27/2005 3:55:00 PM		2	0	2	14.8	15.06	14.93	0.1796	1.70%
Cl_Ions_Grab (UVAVTSSS)	µeq/L	1/26/2006 3:00:00 PM		2	0	2	16.11	16.27	16.19	0.1087	0.95%
Cond_VWR_Manual_Grab (UVAVTSSS)	µS/cm	1/27/2005 3:55:00 PM		2	0	2	10.3	10.3	10.3	0	0.00%
Cond_VWR_Manual_Grab (UVAVTSSS)	µS/cm	1/26/2006 3:00:00 PM		2	0	2	12.1	12.3	12.2	0.1414	1.64%
IONRATIO_2PT_IC1_AA_GRAB (UVAVTSSS)	None	1/27/2005 3:55:00 PM		2	0	2	0.9554	0.9578	0.9566	0.0017	0.25%
IONRATIO_2PT_IC2_GRAB (UVAVTSSS)	None	1/26/2006 3:00:00 PM		2	0	2	0.9784	1.019	0.9987	0.0286	4.06%
K_AA_Grab (UVAVTSSS)	µeq/L	1/27/2005 3:55:00 PM		2	0	2	6.502	6.63	6.566	0.0905	1.95%
K_Ions_Grab (UVAVTSSS)	µeq/L	1/26/2006 3:00:00 PM		2	0	2	6.233	6.291	6.262	0.0409	0.92%
Mg_AA_Grab (UVAVTSSS)	µeq/L	1/27/2005 3:55:00 PM		2	0	2	21.48	21.73	21.6	0.1747	1.14%
Mg_Ions_Grab (UVAVTSSS)	µeq/L	1/26/2006 3:00:00 PM		2	0	2	24.7	24.71	24.7	0.0062	0.04%
Na_AA_Grab (UVAVTSSS)	µeq/L	1/27/2005 3:55:00 PM		2	0	2	12.14	12.27	12.2	0.0919	1.07%
Na_Ions_Grab (UVAVTSSS)	µeq/L	1/26/2006 3:00:00 PM		2	0	2	11.98	11.99	11.99	0.0093	0.11%
NH4_Ions_Grab (UVAVTSSS)	µeq/L	1/26/2006 3:00:00 PM		2	1	1	<0.013	0.1384	0.1384	***	***

NPSTORET Precision Analysis

Filtered Results

Project VTSSS **Station ID:** VT31 **Station** NOBUSINESS CREEK

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
NO3_IC_Grab (UVAVTSSS)	µeq/L	1/27/2005 3:55:00 PM		2	2	0	<0.201	<0.201	***	***	***
NO3_Ions_Grab (UVAVTSSS)	µeq/L	1/26/2006 3:00:00 PM		2	2	0	<0.081	<0.081	***	***	***
pH_Manual_Grab (UVAVTSSS)	None	1/27/2005 3:55:00 PM		2	0	2	5.2	5.21	5.205	0.0071	0.19%
pH_Manual_Grab (UVAVTSSS)	None	1/26/2006 3:00:00 PM		2	0	2	5.08	5.09	5.085	0.0071	0.20%
SAA_2PT_IC1_GRAB (UVAVTSSS)	µeq/L	1/27/2005 3:55:00 PM		2	0	2	52.24	52.97	52.6	0.5176	1.39%
SAA_2PT_IC2_GRAB (UVAVTSSS)	µeq/L	1/26/2006 3:00:00 PM		2	0	2	58.93	61.41	60.17	1.753	4.12%
SBC_AA_GRAB (UVAVTSSS)	µeq/L	1/27/2005 3:55:00 PM		2	0	2	54.54	55.44	54.99	0.6392	1.64%
SBC_IC2_GRAB (UVAVTSSS)	µeq/L	1/26/2006 3:00:00 PM		2	0	2	60.23	60.27	60.25	0.0272	0.06%
SiO2_TC_Grab (UVAVTSSS)	µmol/L	1/27/2005 3:55:00 PM		2	0	2	63.81	64.38	64.09	0.3995	0.88%
SiO2_TC_Grab (UVAVTSSS)	µmol/L	1/26/2006 3:00:00 PM		2	0	2	61.32	61.5	61.41	0.1294	0.30%
SO4_IC_Grab (UVAVTSSS)	µeq/L	1/27/2005 3:55:00 PM		2	0	2	44.53	45.01	44.77	0.338	1.07%
SO4_Ions_Grab (UVAVTSSS)	µeq/L	1/26/2006 3:00:00 PM		2	0	2	51.43	51.61	51.52	0.1238	0.34%
T_AL_TC_Grab (UVAVTSSS)	µg/l	1/27/2005 3:55:00 PM		2	0	2	37.51	39.27	38.39	1.251	4.61%
T_AL_TC_Grab (UVAVTSSS)	µg/l	1/26/2006 3:00:00 PM		2	0	2	44.98	45.01	45	0.0184	0.06%

Project VTSSS **Station ID:** VT34 **Station** LAUREL RUN

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
ANC_Manual_Grab (UVAVTSSS)	µeq/L	4/30/2006 10:30:00 AM		2	0	2	46.9	46.9	46.9	0	0.00%

NPSTORET Precision Analysis

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Project VTSSS **Station ID:** VT34 **Station** LAUREL RUN

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
Ca_Ions_Grab (UVAVTSSS)	µeq/L	4/30/2006 10:30:00 AM		2	0	2	71.47	71.88	71.67	0.2857	0.56%
Cl_Ions_Grab (UVAVTSSS)	µeq/L	4/30/2006 10:30:00 AM		2	0	2	16.99	17.02	17	0.0214	0.18%
Cond_VWR_Manual_ Grab (UVAVTSSS)	µS/cm	4/30/2006 10:30:00 AM		2	0	2	16	16.1	16.05	0.0707	0.62%
IONRATIO_2PT_IC2 _GRAB (UVAVTSSS)	None	4/30/2006 10:30:00 AM		2	0	2	0.904	0.9158	0.9099	0.0084	1.30%
K_Ions_Grab (UVAVTSSS)	µeq/L	4/30/2006 10:30:00 AM		2	0	2	10.01	10.04	10.02	0.0268	0.38%
Mg_Ions_Grab (UVAVTSSS)	µeq/L	4/30/2006 10:30:00 AM		2	0	2	38.77	38.86	38.82	0.0693	0.25%
Na_Ions_Grab (UVAVTSSS)	µeq/L	4/30/2006 10:30:00 AM		2	0	2	19.1	19.12	19.11	0.0132	0.10%
NH4_Ions_Grab (UVAVTSSS)	µeq/L	4/30/2006 10:30:00 AM		2	2	0	<0.013	<0.013	***	***	***
NO3_Ions_Grab (UVAVTSSS)	µeq/L	4/30/2006 10:30:00 AM		2	2	0	<0.081	<0.081	***	***	***
pH_Manual_Grab (UVAVTSSS)	None	4/30/2006 10:30:00 AM		2	0	2	6.74	6.76	6.75	0.0141	0.30%
SAA_2PT_IC2_GRA B (UVAVTSSS)	µeq/L	4/30/2006 10:30:00 AM		2	0	2	126	128.1	127.1	1.48	1.65%
SBC_IC2_GRAB (UVAVTSSS)	µeq/L	4/30/2006 10:30:00 AM		2	0	2	139.4	139.9	139.6	0.3414	0.35%
SiO2_TC_Grab (UVAVTSSS)	µmol/L	4/30/2006 10:30:00 AM		2	0	2	78.77	78.98	78.88	0.1527	0.27%
SO4_Ions_Grab (UVAVTSSS)	µeq/L	4/30/2006 10:30:00 AM		2	0	2	62.05	64.17	63.11	1.501	3.36%

Project VTSSS **Station ID:** VT36 **Station** MEADOW RUN

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
ANC_Manual_Grab (SHEN)	µeq/L	10/25/2006 9:27:00 AM		2	0	2	-1.38591	-1.38591	-1.38591	0	0.00%

NPSTORET Precision Analysis

Filtered Results

Project VTSSS **Station ID:** VT36 **Station** MEADOW RUN

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
ANC_Metrohm_Grab (SHEN)	µeq/L	10/25/2006 9:27:00 AM		2	0	2	0.5675	0.7345	0.651	0.1181	25.66%
Ca_Ions_Grab (SHEN)	µeq/L	10/25/2006 9:27:00 AM		2	0	2	25.53	25.55	25.54	0.0151	0.08%
Cl_Ions_Grab	µeq/L	10/25/2006 9:27:00 AM		2	0	2	21.76	21.78	21.77	0.0201	0.13%
Cond_VWR_Manual_ Grab (SHEN)	µS/cm	10/25/2006 9:27:00 AM		2	0	2	17.5	17.5	17.5	0	0.00%
IONRATIO_2PT_IC2 _GRAB (SHEN)	None	10/25/2006 9:27:00 AM		2	0	2	0.9666	0.9698	0.9682	0.0022	0.33%
IONRATIO_MET_IC 2_GRAB (SHEN)	None	10/25/2006 9:27:00 AM		2	0	2	0.9849	0.9867	0.9858	0.0012	0.18%
K_Ions_Grab (SHEN)	µeq/L	10/25/2006 9:27:00 AM		2	0	2	29.31	29.34	29.32	0.0194	0.09%
Mg_Ions_Grab	µeq/L	10/25/2006 9:27:00 AM		2	0	2	40.59	40.64	40.62	0.0335	0.12%
Na_Ions_Grab (SHEN)	µeq/L	10/25/2006 9:27:00 AM		2	0	2	19.93	19.98	19.96	0.0375	0.27%
NH4_Ions_Grab (SHEN)	µeq/L	10/25/2006 9:27:00 AM		2	1	1	<0.013	0.1539	0.1539	***	***
NO3_Ions_Grab (SHEN)	µeq/L	10/25/2006 9:27:00 AM		2	2	0	<0.081	<0.081	***	***	***
Non-filterable Residue (SHEN)	mg/l	10/25/2006 9:27:00 AM		2	2	0	<0.1796	<0.1796	***	***	***
pH_Manual_Grab (SHEN)	None	10/25/2006 9:27:00 AM		2	0	2	5.46	5.46	5.46	0	0.00%
pH_Metrohm_Grab (SHEN)	None	10/25/2006 9:27:00 AM		2	0	2	5.392	5.401	5.396	0.0068	0.18%
SAA_2PT_IC2_GRA B (SHEN)	µeq/L	10/25/2006 9:27:00 AM		2	0	2	111.7	112	111.8	0.1659	0.21%
SAA_MET_IC2_GRA B (SHEN)	µeq/L	10/25/2006 9:27:00 AM		2	0	2	113.8	113.9	113.9	0.0478	0.06%
SBC_IC2_GRAB (SHEN)	µeq/L	10/25/2006 9:27:00 AM		2	0	2	115.5	115.6	115.5	0.0958	0.12%
SiO2_TC_Grab	µmol/L	10/25/2006 9:27:00 AM		2	0	2	93.91	94.14	94.02	0.1648	0.25%
SO4_Ions_Grab (SHEN)	µeq/L	10/25/2006 9:27:00 AM		2	0	2	91.31	91.52	91.42	0.1458	0.23%
T_AL_TC_Grab (SHEN)	µg/l	10/25/2006 9:27:00 AM		2	0	2	7.6	8.849	8.224	0.8832	15.19%

NPSTORET Precision Analysis

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Project VTSSS **Station ID:** VT36 **Station** MEADOW RUN

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
Volatile Residue (SHEN)	mg/l	10/25/2006 9:27:00 AM		2	2	0	<0.1723	<0.548	***	***	***

Project VTSSS **Station ID:** VT40 **Station** MILLS CREEK

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
ANC_Manual_Grab (UVAVTSSS)	µeq/L	10/25/2006 12:30:00 PM		2	0	2	11.72	13.61	12.67	1.337	14.92%
ANC_Metrohm_Grab (UVAVTSSS)	µeq/L	10/25/2006 12:30:00 PM		2	0	2	16.59	16.63	16.61	0.0267	0.23%
Ca_Ions_Grab (UVAVTSSS)	µeq/L	10/25/2006 12:30:00 PM		2	0	2	16.35	16.42	16.39	0.05	0.43%
Cl_Ions_Grab (UVAVTSSS)	µeq/L	10/25/2006 12:30:00 PM		2	0	2	16.19	16.22	16.21	0.0208	0.18%
Cond_VWR_Manual_ Grab (UVAVTSSS)	µS/cm	10/25/2006 12:30:00 PM		2	0	2	11.3	11.5	11.4	0.1414	1.75%
IONRATIO_2PT_IC2 _GRAB (UVAVTSSS)	None	10/25/2006 12:30:00 PM		2	0	2	0.9283	0.9472	0.9377	0.0134	2.01%
IONRATIO_MET_IC 2_GRAB	None	10/25/2006 12:30:00 PM		2	0	2	0.9814	0.9849	0.9832	0.0024	0.35%
K_Ions_Grab (UVAVTSSS)	µeq/L	10/25/2006 12:30:00 PM		2	0	2	21.47	21.53	21.5	0.0405	0.27%
Mg_Ions_Grab (UVAVTSSS)	µeq/L	10/25/2006 12:30:00 PM		2	0	2	27.93	28	27.96	0.0467	0.24%
Na_Ions_Grab (UVAVTSSS)	µeq/L	10/25/2006 12:30:00 PM		2	0	2	20.92	20.98	20.95	0.0445	0.30%
NH4_Ions_Grab (UVAVTSSS)	µeq/L	10/25/2006 12:30:00 PM		2	2	0	<0.013	<0.013	***	***	***
NO3_Ions_Grab (UVAVTSSS)	µeq/L	10/25/2006 12:30:00 PM		2	2	0	<0.081	<0.081	***	***	***
pH_Manual_Grab (UVAVTSSS)	None	10/25/2006 12:30:00 PM		2	0	2	6.12	6.18	6.15	0.0424	0.98%
pH_Metrohm_Grab (UVAVTSSS)	None	10/25/2006 12:30:00 PM		2	0	2	6.035	6.066	6.051	0.0222	0.52%

NPSTORET Precision Analysis

Filtered Results

Project VTSSS **Station ID:** VT40 **Station** MILLS CREEK

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
SAA_2PT_IC2_GRAB (UVAVTSSS)	µeq/L	10/25/2006 12:30:00 PM		2	0	2	80.46	82.34	81.4	1.33	2.31%
SAA_MET_IC2_GRAB (UVAVTSSS)	µeq/L	10/25/2006 12:30:00 PM		2	0	2	85.32	85.37	85.35	0.0334	0.06%
SBC_IC2_GRAB (UVAVTSSS)	µeq/L	10/25/2006 12:30:00 PM		2	0	2	86.68	86.94	86.81	0.1817	0.30%
SiO2_TC_Grab (UVAVTSSS)	µmol/L	10/25/2006 12:30:00 PM		2	0	2	81.04	81.06	81.05	0.012	0.02%
SO4_Ions_Grab (UVAVTSSS)	µeq/L	10/25/2006 12:30:00 PM		2	0	2	52.47	52.51	52.49	0.0276	0.07%

Project VTSSS **Station ID:** VT42 **Station** HUNTING CREEK

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
ANC_Manual_Grab (UVAVTSSS)	µeq/L	7/25/2006 11:30:00 AM		2	0	2	112.9	114.4	113.6	1.08	1.34%
ANC_Manual_Grab (UVAVTSSS)	µeq/L	10/26/2006 8:00:00 AM		2	0	2	70.37	71.11	70.74	0.5217	1.04%
ANC_Metrohm_Grab (UVAVTSSS)	µeq/L	10/26/2006 8:00:00 AM		2	0	2	80.55	90.69	85.62	7.169	11.84%
Ca_Ions_Grab (UVAVTSSS)	µeq/L	7/25/2006 11:30:00 AM		2	0	2	66.22	66.95	66.58	0.5148	1.09%
Ca_Ions_Grab (UVAVTSSS)	µeq/L	10/26/2006 8:00:00 AM		2	0	2	46.36	47.02	46.69	0.4702	1.42%
Cl_Ions_Grab (UVAVTSSS)	µeq/L	7/25/2006 11:30:00 AM		2	0	2	19.42	19.57	19.49	0.1049	0.76%
Cl_Ions_Grab (UVAVTSSS)	µeq/L	10/26/2006 8:00:00 AM		2	0	2	19.72	19.76	19.74	0.0274	0.20%
Cond_VWR_Manual_Grab (UVAVTSSS)	µS/cm	7/25/2006 11:30:00 AM		2	0	2	17.1	17.6	17.35	0.3536	2.88%
Cond_VWR_Manual_Grab (UVAVTSSS)	µS/cm	10/26/2006 8:00:00 AM		2	0	2	14.4	14.6	14.5	0.1414	1.38%
IONRATIO_2PT_IC2_GRAB (UVAVTSSS)	None	7/25/2006 11:30:00 AM		2	0	2	0.8026	0.8219	0.8122	0.0137	2.38%

NPSTORET Precision Analysis

Filtered Results

Project VTSSS **Station ID:** VT42 **Station** HUNTING CREEK

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
IONRATIO_2PT_IC2_GRAB (UVAVTSSS)	None	10/26/2006 8:00:00 AM		2	0	2	0.8478	0.8591	0.8534	0.008	1.33%
IONRATIO_MET_IC2_GRAB	None	10/26/2006 8:00:00 AM		2	0	2	0.9306	1	0.9653	0.0491	7.19%
K_Ions_Grab (UVAVTSSS)	µeq/L	7/25/2006 11:30:00 AM		2	0	2	10.55	10.56	10.56	0.0045	0.06%
K_Ions_Grab (UVAVTSSS)	µeq/L	10/26/2006 8:00:00 AM		2	0	2	8.272	8.291	8.282	0.0136	0.23%
Mg_Ions_Grab (UVAVTSSS)	µeq/L	7/25/2006 11:30:00 AM		2	0	2	37.55	37.83	37.69	0.198	0.74%
Mg_Ions_Grab (UVAVTSSS)	µeq/L	10/26/2006 8:00:00 AM		2	0	2	27.56	27.87	27.71	0.2197	1.12%
Na_Ions_Grab (UVAVTSSS)	µeq/L	7/25/2006 11:30:00 AM		2	0	2	56.65	56.65	56.65	0.0011	0.00%
Na_Ions_Grab (UVAVTSSS)	µeq/L	10/26/2006 8:00:00 AM		2	0	2	50.04	50.29	50.17	0.1753	0.49%
NH4_Ions_Grab (UVAVTSSS)	µeq/L	7/25/2006 11:30:00 AM		2	1	1	<0.013	0.3122	0.3122	***	***
NH4_Ions_Grab (UVAVTSSS)	µeq/L	10/26/2006 8:00:00 AM		2	2	0	<0.013	<0.013	***	***	***
NO3_Ions_Grab (UVAVTSSS)	µeq/L	7/25/2006 11:30:00 AM		2	2	0	<0.081	<0.081	***	***	***
NO3_Ions_Grab (UVAVTSSS)	µeq/L	10/26/2006 8:00:00 AM		2	2	0	<0.081	<0.081	***	***	***
pH_Manual_Grab (UVAVTSSS)	None	7/25/2006 11:30:00 AM		2	0	2	6.4	6.51	6.455	0.0778	1.70%
pH_Manual_Grab (UVAVTSSS)	None	10/26/2006 8:00:00 AM		2	0	2	6.69	6.78	6.735	0.0636	1.34%
pH_Metrohm_Grab (UVAVTSSS)	None	10/26/2006 8:00:00 AM		2	0	2	6.608	6.636	6.622	0.0192	0.41%
SAA_2PT_IC2_GRAB (UVAVTSSS)	µeq/L	7/25/2006 11:30:00 AM		2	0	2	138	140.8	139.4	1.943	1.97%
SAA_2PT_IC2_GRAB (UVAVTSSS)	µeq/L	10/26/2006 8:00:00 AM		2	0	2	113.2	113.6	113.4	0.3182	0.40%

NPSTORET Precision Analysis

Filtered Results

Project VTSSS **Station ID:** VT42 **Station** HUNTING CREEK

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
SAA_MET_IC2_GRAB (UVAVTSSS)	µeq/L	10/26/2006 8:00:00 AM		2	0	2	123.1	133.5	128.3	7.373	8.13%
SBC_IC2_GRAB (UVAVTSSS)	µeq/L	7/25/2006 11:30:00 AM		2	0	2	171.3	172	171.6	0.5022	0.41%
SBC_IC2_GRAB (UVAVTSSS)	µeq/L	10/26/2006 8:00:00 AM		2	0	2	132.2	133.5	132.9	0.8787	0.94%
SiO2_TC_Grab (UVAVTSSS)	µmol/L	7/25/2006 11:30:00 AM		2	0	2	152.7	153.8	153.2	0.8096	0.75%
SiO2_TC_Grab (UVAVTSSS)	µmol/L	10/26/2006 8:00:00 AM		2	0	2	134.1	134.3	134.2	0.1294	0.14%
SO4_Ions_Grab (UVAVTSSS)	µeq/L	7/25/2006 11:30:00 AM		2	0	2	4.182	8.308	6.245	2.917	66.06%
SO4_Ions_Grab (UVAVTSSS)	µeq/L	10/26/2006 8:00:00 AM		2	0	2	22.74	22.99	22.87	0.176	1.09%

Project VTSSS **Station ID:** VT43 **Station** GREASY SPRING BRANCH

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
ANC_Manual_Grab (UVAVTSSS)	µeq/L	7/26/2005 1:10:00 PM		2	0	2	64.3	66.9	65.6	1.838	3.96%
Ca_AA_Grab (UVAVTSSS)	µeq/L	7/26/2005 1:10:00 PM		2	0	2	38.37	38.62	38.5	0.1768	0.65%
Cl_IC_Grab (UVAVTSSS)	µeq/L	7/26/2005 1:10:00 PM		2	0	2	17.74	17.91	17.82	0.1195	0.95%
Cond_VWR_Manual_Grab (UVAVTSSS)	µS/cm	7/26/2005 1:10:00 PM		2	0	2	10.5	10.8	10.65	0.2121	2.82%
IONRATIO_2PT_IC1_AA_GRAB (UVAVTSSS)	None	7/26/2005 1:10:00 PM		2	0	2	0.9245	0.9598	0.9421	0.025	3.75%
K_AA_Grab (UVAVTSSS)	µeq/L	7/26/2005 1:10:00 PM		2	0	2	5.606	5.888	5.747	0.1994	4.91%
Mg_AA_Grab (UVAVTSSS)	µeq/L	7/26/2005 1:10:00 PM		2	0	2	13.83	13.91	13.87	0.0587	0.60%

NPSTORET Precision Analysis

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Project VTSSS **Station ID:** VT43 **Station** GREASY SPRING BRANCH

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
Na_AA_Grab (UVAVTSSS)	µeq/L	7/26/2005 1:10:00 PM		2	0	2	41.32	41.72	41.52	0.2765	0.94%
NO3_IC_Grab (UVAVTSSS)	µeq/L	7/26/2005 1:10:00 PM		2	2	0	<0.201	<0.201	***	***	***
pH_Manual_Grab (UVAVTSSS)	None	7/26/2005 1:10:00 PM		2	0	2	6.3	6.78	6.54	0.3394	7.34%
SAA_2PT_IC1_GRAB (UVAVTSSS)	µeq/L	7/26/2005 1:10:00 PM		2	0	2	92.5	95.22	93.86	1.929	2.91%
SBC_AA_GRAB (UVAVTSSS)	µeq/L	7/26/2005 1:10:00 PM		2	0	2	99.21	100.1	99.63	0.594	0.84%
SiO2_TC_Grab (UVAVTSSS)	µmol/L	7/26/2005 1:10:00 PM		2	0	2	109.4	109.8	109.6	0.3168	0.41%
SO4_IC_Grab (UVAVTSSS)	µeq/L	7/26/2005 1:10:00 PM		2	0	2	10.32	10.36	10.34	0.029	0.40%

Project VTSSS **Station ID:** VT45 **Station** OTTER CREEK

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
ANC_Manual_Grab (UVAVTSSS)	µeq/L	1/28/2005 1:50:00 PM		2	0	2	65.3	65.3	65.3	0	0.00%
Ca_AA_Grab (UVAVTSSS)	µeq/L	1/28/2005 1:50:00 PM		2	0	2	39.27	39.97	39.62	0.4943	1.76%
Cl_IC_Grab (UVAVTSSS)	µeq/L	1/28/2005 1:50:00 PM		2	0	2	22.98	23.01	23	0.0198	0.12%
Cond_VWR_Manual_Grab (UVAVTSSS)	µS/cm	1/28/2005 1:50:00 PM		2	0	2	21.6	21.7	21.65	0.0707	0.46%
IONRATIO_2PT_IC1_AA_GRAB (UVAVTSSS)	None	1/28/2005 1:50:00 PM		2	0	2	0.9615	0.9668	0.9642	0.0038	0.55%
K_AA_Grab (UVAVTSSS)	µeq/L	1/28/2005 1:50:00 PM		2	0	2	20.89	21.02	20.95	0.0905	0.61%
Mg_AA_Grab (UVAVTSSS)	µeq/L	1/28/2005 1:50:00 PM		2	0	2	78.51	78.93	78.72	0.2913	0.52%

NPSTORET Precision Analysis

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Project VTSSS **Station ID:** VT45 **Station** OTTER CREEK

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
Na_AA_Grab (UVAVTSSS)	µeq/L	1/28/2005 1:50:00 PM		2	0	2	46.72	46.89	46.81	0.123	0.37%
NO3_IC_Grab (UVAVTSSS)	µeq/L	1/28/2005 1:50:00 PM		2	2	0	<0.201	<0.201	***	***	***
pH_Manual_Grab (UVAVTSSS)	None	1/28/2005 1:50:00 PM		2	0	2	6.71	6.72	6.715	0.0071	0.15%
SAA_2PT_IC1_GRAB (UVAVTSSS)	µeq/L	1/28/2005 1:50:00 PM		2	0	2	179.3	179.5	179.4	0.152	0.12%
SBC_AA_GRAB (UVAVTSSS)	µeq/L	1/28/2005 1:50:00 PM		2	0	2	185.7	186.5	186.1	0.572	0.43%
SiO2_TC_Grab (UVAVTSSS)	µmol/L	1/28/2005 1:50:00 PM		2	0	2	145.6	145.7	145.7	0.0933	0.09%
SO4_IC_Grab (UVAVTSSS)	µeq/L	1/28/2005 1:50:00 PM		2	0	2	90.94	91.12	91.03	0.1322	0.21%

Project VTSSS **Station ID:** VT51 **Station** JEREMYS RUN

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
ANC_Manual_Grab (SHEN)	µeq/L	1/31/2005 3:30:00 PM		2	0	2	133.7	134.4	134	0.495	0.52%
ANC_Manual_Grab (SHEN)	µeq/L	1/26/2006 11:20:00 AM		2	0	2	131.5	133.5	132.5	1.425	1.52%
Ca_AA_Grab (SHEN)	µeq/L	1/31/2005 3:30:00 PM		2	0	2	120.6	121.4	121	0.5296	0.62%
Ca_Ions_Grab (SHEN)	µeq/L	1/26/2006 11:20:00 AM		2	0	2	121.3	121.5	121.4	0.1533	0.18%
Cl_IC_Grab (SHEN)	µeq/L	1/31/2005 3:30:00 PM		2	0	2	30.26	30.37	30.32	0.0792	0.37%
Cl_Ions_Grab	µeq/L	1/26/2006 11:20:00 AM		2	0	2	31.42	31.73	31.57	0.2199	0.98%
Cond_VWR_Manual_Grab (SHEN)	µS/cm	1/31/2005 3:30:00 PM		2	0	2	34.3	34.3	34.3	0	0.00%
Cond_VWR_Manual_Grab (SHEN)	µS/cm	1/26/2006 11:20:00 AM		2	0	2	33.5	33.6	33.55	0.0707	0.30%
IONRATIO_2PT_IC1_AA_GRAB (SHEN)	None	1/31/2005 3:30:00 PM		2	0	2	0.9387	0.9423	0.9405	0.0025	0.38%
IONRATIO_2PT_IC2_GRAB (SHEN)	None	1/26/2006 11:20:00 AM		2	0	2	0.9311	0.9365	0.9338	0.0038	0.57%

NPSTORET Precision Analysis

Filtered Results

Project VTSSS **Station ID:** VT51 **Station** JEREMYS RUN

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
K_AA_Grab (SHEN)	µeq/L	1/31/2005 3:30:00 PM		2	0	2	13.95	14.11	14.03	0.1089	1.10%
K_Ions_Grab (SHEN)	µeq/L	1/26/2006 11:20:00 AM		2	0	2	13.76	13.86	13.81	0.073	0.75%
Mg_AA_Grab	µeq/L	1/31/2005 3:30:00 PM		2	0	2	114.8	116.2	115.5	0.9899	1.21%
Mg_Ions_Grab	µeq/L	1/26/2006 11:20:00 AM		2	0	2	116.9	117	116.9	0.058	0.07%
Na_AA_Grab (SHEN)	µeq/L	1/31/2005 3:30:00 PM		2	0	2	57.03	57.77	57.4	0.5233	1.29%
Na_Ions_Grab (SHEN)	µeq/L	1/26/2006 11:20:00 AM		2	0	2	59.51	59.52	59.52	0.0071	0.02%
NH4_Ions_Grab (SHEN)	µeq/L	1/26/2006 11:20:00 AM		2	2	0	<0.013	<0.013	***	***	***
NO3_IC_Grab (SHEN)	µeq/L	1/31/2005 3:30:00 PM		2	0	2	4.218	6.311	5.264	1.48	39.76%
NO3_Ions_Grab (SHEN)	µeq/L	1/26/2006 11:20:00 AM		2	1	1	<0.081	1.229	1.229	***	***
Non-filterable Residue (SHEN)	mg/l	1/31/2005 3:30:00 PM		2	2	0	<0.1796	<0.1796	***	***	***
Non-filterable Residue (SHEN)	mg/l	1/26/2006 11:20:00 AM		2	2	0	<0.5711	<0.5711	***	***	***
pH_Manual_Grab (SHEN)	None	1/31/2005 3:30:00 PM		2	0	2	7.05	7.06	7.055	0.0071	0.14%
pH_Manual_Grab (SHEN)	None	1/26/2006 11:20:00 AM		2	0	2	6.96	6.97	6.965	0.0071	0.14%
SAA_2PT_IC1_GRAB (SHEN)	µeq/L	1/31/2005 3:30:00 PM		2	0	2	288.3	290.9	289.6	1.807	0.88%
SAA_2PT_IC2_GRAB (SHEN)	µeq/L	1/26/2006 11:20:00 AM		2	0	2	290.1	291.9	291	1.302	0.63%
SBC_AA_GRAB (SHEN)	µeq/L	1/31/2005 3:30:00 PM		2	0	2	307.1	308.7	307.9	1.092	0.50%
SBC_IC2_GRAB (SHEN)	µeq/L	1/26/2006 11:20:00 AM		2	0	2	311.5	311.7	311.6	0.1312	0.06%
SiO2_TC_Grab	µmol/L	1/31/2005 3:30:00 PM		2	0	2	144	144.2	144.1	0.1407	0.14%
SiO2_TC_Grab	µmol/L	1/26/2006 11:20:00 AM		2	0	2	139.3	140.7	140	0.9737	0.98%
SO4_IC_Grab (SHEN)	µeq/L	1/31/2005 3:30:00 PM		2	0	2	119.9	120	120	0.0884	0.10%
SO4_Ions_Grab (SHEN)	µeq/L	1/26/2006 11:20:00 AM		2	0	2	125.9	126.6	126.2	0.4975	0.56%
Volatile Residue (SHEN)	mg/l	1/31/2005 3:30:00 PM		2	1	1	<0.1723	2.006	2.006	***	***

NPSTORET Precision Analysis

Filtered Results

Project VTSSS **Station ID:** VT51 **Station** JEREMYS RUN

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
Volatile Residue (SHEN)	mg/l	1/26/2006 11:20:00 AM		2	2	0	<0.1723	<0.548	***	***	***

Project VTSSS **Station ID:** VT53 **Station** TWO MILE RUN

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
ANC_Manual_Grab (SHEN)	µeq/L	7/29/2005 11:55:00 AM		2	0	2	27.8	27.8	27.8	0	0.00%
Ca_AA_Grab (SHEN)	µeq/L	7/29/2005 11:55:00 AM		2	0	2	28.49	28.54	28.52	0.0354	0.18%
Cl_IC_Grab (SHEN)	µeq/L	7/29/2005 11:55:00 AM		2	0	2	21.06	21.09	21.08	0.0205	0.14%
Cond_VWR_Manual_ Grab (SHEN)	µS/cm	7/29/2005 11:55:00 AM		2	0	2	18	18.1	18.05	0.0707	0.55%
IONRATIO_2PT_IC1 _AA_GRAB (SHEN)	None	7/29/2005 11:55:00 AM		2	0	2	0.9139	0.934	0.9239	0.0142	2.18%
K_AA_Grab (SHEN)	µeq/L	7/29/2005 11:55:00 AM		2	0	2	40.06	40.47	40.27	0.2899	1.02%
Mg_AA_Grab	µeq/L	7/29/2005 11:55:00 AM		2	0	2	43.21	43.37	43.29	0.116	0.38%
Na_AA_Grab (SHEN)	µeq/L	7/29/2005 11:55:00 AM		2	0	2	27.75	28.41	28.08	0.4617	2.33%
NO3_IC_Grab (SHEN)	µeq/L	7/29/2005 11:55:00 AM		2	0	2	6.794	9.692	8.243	2.049	35.16%
Non-filterable Residue (SHEN)	mg/l	7/29/2005 11:55:00 AM		2	0	2	0.85	1.65	1.25	0.5657	64.00%
pH_Manual_Grab (SHEN)	None	7/29/2005 11:55:00 AM		2	0	2	6.15	6.17	6.16	0.0141	0.32%
SAA_2PT_IC1_GRA B (SHEN)	µeq/L	7/29/2005 11:55:00 AM		2	0	2	128.1	130.9	129.5	2.014	2.20%
SBC_AA_GRAB (SHEN)	µeq/L	7/29/2005 11:55:00 AM		2	0	2	140.1	140.2	140.2	0.0205	0.02%
SiO2_TC_Grab	µmol/L	7/29/2005 11:55:00 AM		2	0	2	120.7	121	120.8	0.2588	0.30%
SO4_IC_Grab (SHEN)	µeq/L	7/29/2005 11:55:00 AM		2	0	2	72.36	72.38	72.37	0.0148	0.03%
Volatile Residue (SHEN)	mg/l	7/29/2005 11:55:00 AM		2	1	1	<0.548	0.8	0.8	***	***

NPSTORET Precision Analysis

Filtered Results

Project VTSSS **Station ID:** VT58 **Station** BROKENBACK RUN

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
ANC_Manual_Grab (SHEN)	µeq/L	4/29/2005 1:10:00 PM		2	0	2	78.6	81.2	79.9	1.838	3.25%
ANC_Manual_Grab (SHEN)	µeq/L	4/26/2006 3:15:00 PM		2	0	2	73.61	74.68	74.14	0.7616	1.45%
Ca_AA_Grab (SHEN)	µeq/L	4/29/2005 1:10:00 PM		2	0	2	55.24	56.19	55.71	0.6703	1.70%
Ca_Ions_Grab (SHEN)	µeq/L	4/26/2006 3:15:00 PM		2	0	2	62.08	62.73	62.41	0.4554	1.03%
Cl_IC_Grab (SHEN)	µeq/L	4/29/2005 1:10:00 PM		2	0	2	22.39	22.42	22.4	0.0198	0.13%
Cl_Ions_Grab	µeq/L	4/26/2006 3:15:00 PM		2	0	2	21.97	22.08	22.03	0.0831	0.53%
Cond_VWR_Manual_ Grab (SHEN)	µS/cm	4/29/2005 1:10:00 PM		2	0	2	17.2	17.3	17.25	0.0707	0.58%
Cond_VWR_Manual_ Grab (SHEN)	µS/cm	4/26/2006 3:15:00 PM		2	0	2	18.3	18.6	18.45	0.2121	1.63%
IONRATIO_2PT_IC1 _AA_GRAB (SHEN)	None	4/29/2005 1:10:00 PM		2	0	2	0.8754	0.9018	0.8886	0.0187	2.97%
IONRATIO_2PT_IC2 _GRAB (SHEN)	None	4/26/2006 3:15:00 PM		2	0	2	0.8276	0.8463	0.837	0.0132	2.23%
K_AA_Grab (SHEN)	µeq/L	4/29/2005 1:10:00 PM		2	0	2	10.21	10.24	10.23	0.0184	0.25%
K_Ions_Grab (SHEN)	µeq/L	4/26/2006 3:15:00 PM		2	0	2	10.67	10.83	10.75	0.1075	1.41%
Mg_AA_Grab	µeq/L	4/29/2005 1:10:00 PM		2	0	2	33.99	33.99	33.99	0	0.00%
Mg_Ions_Grab	µeq/L	4/26/2006 3:15:00 PM		2	0	2	37.64	37.98	37.81	0.2406	0.90%
Na_AA_Grab (SHEN)	µeq/L	4/29/2005 1:10:00 PM		2	0	2	59.46	60.16	59.81	0.4921	1.16%
Na_Ions_Grab (SHEN)	µeq/L	4/26/2006 3:15:00 PM		2	0	2	63.58	63.85	63.72	0.189	0.42%
NH4_Ions_Grab (SHEN)	µeq/L	4/26/2006 3:15:00 PM		2	2	0	<0.013	<0.013	***	***	***
NO3_IC_Grab (SHEN)	µeq/L	4/29/2005 1:10:00 PM		2	2	0	<0.201	<0.201	***	***	***
NO3_Ions_Grab (SHEN)	µeq/L	4/26/2006 3:15:00 PM		2	1	1	<0.081	0.535	0.535	***	***
Non-filterable Residue (SHEN)	mg/l	4/29/2005 1:10:00 PM		2	0	2	1.85	1.9	1.875	0.0354	2.67%
Non-filterable Residue (SHEN)	mg/l	4/26/2006 3:15:00 PM		2	0	2	1.7	1.8	1.75	0.0707	5.71%
pH_Manual_Grab (SHEN)	None	4/29/2005 1:10:00 PM		2	0	2	6.94	6.96	6.95	0.0141	0.29%

NPSTORET Precision Analysis

Filtered Results

Project VTSSS **Station ID:** VT58 **Station** BROKENBACK RUN

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
pH_Manual_Grab (SHEN)	None	4/26/2006 3:15:00 PM		2	0	2	6.21	6.24	6.225	0.0212	0.48%
SAA_2PT_IC1_GRAB (SHEN)	µeq/L	4/29/2005 1:10:00 PM		2	0	2	140.6	143.3	141.9	1.932	1.93%
SAA_2PT_IC2_GRAB (SHEN)	µeq/L	4/26/2006 3:15:00 PM		2	0	2	145.2	147.2	146.2	1.474	1.43%
SBC_AA_GRAB (SHEN)	µeq/L	4/29/2005 1:10:00 PM		2	0	2	158.9	160.6	159.7	1.181	1.05%
SBC_IC2_GRAB (SHEN)	µeq/L	4/26/2006 3:15:00 PM		2	0	2	174	175.4	174.7	0.9926	0.80%
SiO2_TC_Grab	µmol/L	4/29/2005 1:10:00 PM		2	0	2	142.3	143.3	142.8	0.7043	0.70%
SiO2_TC_Grab	µmol/L	4/26/2006 3:15:00 PM		2	0	2	150.5	150.8	150.7	0.1527	0.14%
SO4_IC_Grab (SHEN)	µeq/L	4/29/2005 1:10:00 PM		2	0	2	39.48	39.58	39.53	0.0735	0.26%
SO4_Ions_Grab (SHEN)	µeq/L	4/26/2006 3:15:00 PM		2	0	2	49.54	49.94	49.74	0.2798	0.80%
Volatile Residue (SHEN)	mg/l	4/29/2005 1:10:00 PM		2	0	2	0.8	0.9	0.85	0.0707	11.76%
Volatile Residue (SHEN)	mg/l	4/26/2006 3:15:00 PM		2	1	1	<0.548	0.6	0.6	***	***

Project VTSSS **Station ID:** VT64 **Station** CRABTREE CREEK

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
ANC_Manual_Grab (UVAVTSSS)	µeq/L	10/24/2005 10:56:00 AM		2	0	2	56.11	60.37	58.24	3.013	7.32%
Ca_Ions_Grab (UVAVTSSS)	µeq/L	10/24/2005 10:56:00 AM		2	0	2	34.96	35.5	35.23	0.3856	1.55%
Cl_Ions_Grab (UVAVTSSS)	µeq/L	10/24/2005 10:56:00 AM		2	0	2	18.83	18.95	18.89	0.0804	0.60%
Cond_VWR_Manual_Grab (UVAVTSSS)	µS/cm	10/24/2005 10:56:00 AM		2	0	2	9.9	10.1	10	0.1414	2.00%
IONRATIO_2PT_IC2_GRAB (UVAVTSSS)	None	10/24/2005 10:56:00 AM		2	0	2	0.9047	0.9556	0.9301	0.036	5.48%

NPSTORET Precision Analysis

Filtered Results

Project VTSSS **Station ID:** VT64 **Station** CRABTREE CREEK

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
K_Ions_Grab (UVAVTSSS)	µeq/L	10/24/2005 10:56:00 AM		2	0	2	6.94	7.389	7.164	0.3176	6.27%
Mg_Ions_Grab (UVAVTSSS)	µeq/L	10/24/2005 10:56:00 AM		2	0	2	12.51	12.73	12.62	0.1574	1.76%
Na_Ions_Grab (UVAVTSSS)	µeq/L	10/24/2005 10:56:00 AM		2	0	2	38.66	39.52	39.09	0.6026	2.18%
NH4_Ions_Grab (UVAVTSSS)	µeq/L	10/24/2005 10:56:00 AM		2	1	1	<0.013	1.27	1.27	***	***
NO3_Ions_Grab (UVAVTSSS)	µeq/L	10/24/2005 10:56:00 AM		2	2	0	<0.081	<0.081	***	***	***
pH_Manual_Grab (UVAVTSSS)	None	10/24/2005 10:56:00 AM		2	0	2	6.63	6.71	6.67	0.0566	1.20%
SAA_2PT_IC2_GRAB (UVAVTSSS)	µeq/L	10/24/2005 10:56:00 AM		2	0	2	85.84	90.4	88.12	3.225	5.18%
SBC_IC2_GRAB (UVAVTSSS)	µeq/L	10/24/2005 10:56:00 AM		2	0	2	94.6	94.88	94.74	0.2014	0.30%
SiO2_TC_Grab (UVAVTSSS)	µmol/L	10/24/2005 10:56:00 AM		2	0	2	105.8	106.1	105.9	0.164	0.22%
SO4_Ions_Grab (UVAVTSSS)	µeq/L	10/24/2005 10:56:00 AM		2	0	2	10.86	11.04	10.95	0.131	1.69%

Project VTSSS **Station ID:** VT67 **Station** EF CHESTNUT CREEK-LOWER

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
ANC_Manual_Grab (UVAVTSSS)	µeq/L	10/25/2005 2:30:00 PM		2	0	2	40.37	40.37	40.37	0	0.00%
Ca_Ions_Grab (UVAVTSSS)	µeq/L	10/25/2005 2:30:00 PM		2	0	2	18.31	18.78	18.55	0.3299	2.52%
Cl_Ions_Grab (UVAVTSSS)	µeq/L	10/25/2005 2:30:00 PM		2	0	2	19.32	19.32	19.32	0.0008	0.01%
Cond_VWR_Manual_Grab (UVAVTSSS)	µS/cm	10/25/2005 2:30:00 PM		2	0	2	9	9.2	9.1	0.1414	2.20%
IONRATIO_2PT_IC2_GRAB (UVAVTSSS)	None	10/25/2005 2:30:00 PM		2	0	2	0.8962	0.9059	0.9011	0.0068	1.07%

NPSTORET Precision Analysis

Filtered Results

Project VTSSS **Station ID:** VT67 **Station** EF CHESTNUT CREEK-LOWER

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
K_Ions_Grab (UVAVTSSS)	µeq/L	10/25/2005 2:30:00 PM		2	0	2	6.848	7.376	7.112	0.3733	7.42%
Mg_Ions_Grab (UVAVTSSS)	µeq/L	10/25/2005 2:30:00 PM		2	0	2	21.2	21.69	21.45	0.3442	2.27%
Na_Ions_Grab (UVAVTSSS)	µeq/L	10/25/2005 2:30:00 PM		2	0	2	36.91	37.35	37.13	0.3101	1.18%
NH4_Ions_Grab (UVAVTSSS)	µeq/L	10/25/2005 2:30:00 PM		2	2	0	<0.013	<0.013	***	***	***
NO3_Ions_Grab (UVAVTSSS)	µeq/L	10/25/2005 2:30:00 PM		2	2	0	<0.081	<0.081	***	***	***
pH_Manual_Grab (UVAVTSSS)	None	10/25/2005 2:30:00 PM		2	0	2	6.44	6.49	6.465	0.0354	0.77%
SAA_2PT_IC2_GRAB (UVAVTSSS)	µeq/L	10/25/2005 2:30:00 PM		2	0	2	75.84	75.97	75.9	0.0879	0.16%
SBC_IC2_GRAB (UVAVTSSS)	µeq/L	10/25/2005 2:30:00 PM		2	0	2	83.72	84.76	84.24	0.7372	1.24%
SiO2_TC_Grab (UVAVTSSS)	µmol/L	10/25/2005 2:30:00 PM		2	0	2	95.18	96.13	95.66	0.6696	0.99%
SO4_Ions_Grab (UVAVTSSS)	µeq/L	10/25/2005 2:30:00 PM		2	0	2	16.11	16.23	16.17	0.0871	0.76%

Project VTSSS **Station ID:** VT75 **Station** WHITE OAK CANYON RUN

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
ANC_Manual_Grab (SHEN)	µeq/L	10/27/2005 11:20:00 AM		2	0	2	136.1	138.6	137.3	1.768	1.82%
Ca_Ions_Grab (SHEN)	µeq/L	10/27/2005 11:20:00 AM		2	0	2	114.5	115.4	114.9	0.5967	0.73%
Cl_Ions_Grab	µeq/L	10/27/2005 11:20:00 AM		2	0	2	28.73	28.79	28.76	0.039	0.19%
Cond_VWR_Manual_Grab (SHEN)	µS/cm	10/27/2005 11:20:00 AM		2	0	2	26.2	26.4	26.3	0.1414	0.76%
IONRATIO_2PT_IC2_GRAB (SHEN)	None	10/27/2005 11:20:00 AM		2	0	2	0.8673	0.8878	0.8776	0.0145	2.34%
K_Ions_Grab (SHEN)	µeq/L	10/27/2005 11:20:00 AM		2	0	2	4.832	5.453	5.142	0.439	12.07%
Mg_Ions_Grab	µeq/L	10/27/2005 11:20:00 AM		2	0	2	85.19	88.87	87.03	2.596	4.22%

NPSTORET Precision Analysis

Filtered Results

Project VTSSS **Station ID:** VT75 **Station** WHITE OAK CANYON RUN

Local Name	Units	Sample Date/Time	Depth (m)	Count	Cens.	Incl.	Minimum	Maximu	Mean	Std Dev	% Rel Precision
Na_Ions_Grab (SHEN)	µeq/L	10/27/2005 11:20:00 AM		2	0	2	52.84	53.27	53.05	0.304	0.81%
NH4_Ions_Grab (SHEN)	µeq/L	10/27/2005 11:20:00 AM		2	2	0	<0.013	<0.013	***	***	***
NO3_Ions_Grab (SHEN)	µeq/L	10/27/2005 11:20:00 AM		2	2	0	<0.081	<0.081	***	***	***
Non-filterable Residue (SHEN)	mg/l	10/27/2005 11:20:00 AM		2	2	0	<0.5711	<0.5711	***	***	***
pH_Manual_Grab (SHEN)	None	10/27/2005 11:20:00 AM		2	0	2	6.77	6.79	6.78	0.0141	0.29%
SAA_2PT_IC2_GRAB (SHEN)	µeq/L	10/27/2005 11:20:00 AM		2	0	2	227.5	229.1	228.3	1.087	0.67%
SBC_IC2_GRAB (SHEN)	µeq/L	10/27/2005 11:20:00 AM		2	0	2	258	262.3	260.2	3.057	1.66%
SiO2_TC_Grab	µmol/L	10/27/2005 11:20:00 AM		2	0	2	135.6	136.8	136.2	0.8683	0.90%
SO4_Ions_Grab (SHEN)	µeq/L	10/27/2005 11:20:00 AM		2	0	2	61.63	62.65	62.14	0.7193	1.64%
Volatile Residue (SHEN)	mg/l	10/27/2005 11:20:00 AM		2	2	0	<0.1723	<0.548	***	***	***

NPSTORET Precision Analysis

Filtered Results

Results filtered for:
Organization = SHEN: Shenandoah National Park
UVAVTSSS: University of Virginia non-NPS watersheds
Station = Include Trip QC And All Station Visit Results
Exclude Analytical Groups
Activity Type = Field Msr/Obs
Field Msr/Obs-Habitat Assessment
Field Msr/Obs-Portable Data Logger
NPS Continuous Data Logger
NPS Depth Profile
NPS Quality Control Regular/Routine
NPS Quality Control Regular/Routine Replicate
NPS Regular/Routine
Quality Control Field Replicate Habitat Assessment
Quality Control Field Replicate Msr/Obs
Quality Control Field Replicate Portable Data Logger
Quality Control Sample-Blind Duplicate
Quality Control Sample-Field Replicate
Quality Control Sample-Inter-lab Split
Quality Control Sample-Lab Duplicate
Quality Control Sample-Measurement Precision Sample
Quality Control Sample-Other
Quality Control Sample-Reference Sample
Sample-Composite With Parents
Sample-Composite Without Parents
Sample-Depletion Replicate
Sample-Field Split
Sample-Field Subsample
Sample-Integrated Cross-Sectional Profile
Sample-Integrated Flow Proportioned
Sample-Integrated Horizontal Profile
Sample-Integrated Time Series
Sample-Integrated Vertical Profile
Sample-Negative Control
Sample-Other
Sample-Positive Control
Sample-Routine
Date (>=1/1/2005 and <=12/31/2006)
Value Status <> Rejected

NPSTORET Precision Analysis

Filtered Results

*** Indicates Anaylsis Not Done Since Data Censored

NPSTORET Trip Blank Summary Statistics - Period of Record

Filtered Results

Local Name	Units	Period of Record	Count	Cens.	Cens. % < MDL	Cens. % < LQL	Incl.	Min.	Max.	Mean	Median	Std Dev
ANC_Manual_Grab (SHEN)	µeq/L	1/26/2005 - 10/25/2006	8	0	0.00%	0.00%	8	-1.7	1.17	-0.6503	---	1.073
ANC_Metrohm_Grab (SHEN)	µeq/L	10/25/2006 - 10/25/2006	1	0	0.00%	0.00%	1	-1.13626	-1.13626	-1.13626	---	
Ca_AA_Grab (SHEN)	µeq/L	1/26/2005 - 7/27/2005	3	3	100.00%	0.00%	3	<0.6345	<0.6345	0.6345	---	0
Ca_Ions_Grab (SHEN)	µeq/L	10/31/2005 - 10/25/2006	5	5	20.00%	80.00%	5	<0.234	<0.8928	0.761	---	0.2946
Cl_IC_Grab (SHEN)	µeq/L	1/26/2005 - 7/27/2005	3	3	100.00%	0.00%	3	<0.2845	<0.2845	0.2845	---	0
Cl_Ions_Grab (SHEN)	µeq/L	10/31/2005 - 10/25/2006	5	0	0.00%	0.00%	5	0.3927	0.5813	0.4615	---	0.0749
Cond_VWR_Manual_Grab (SHEN)	µS/cm	1/26/2005 - 10/25/2006	8	3	0.00%	37.50%	8	<0.309	0.8	0.5409	---	0.2022
K_AA_Grab (SHEN)	µeq/L	1/26/2005 - 7/27/2005	3	3	100.00%	0.00%	3	<0.1245	<0.1245	0.1245	---	0
K_Ions_Grab (SHEN)	µeq/L	10/31/2005 - 10/25/2006	5	1	20.00%	0.00%	5	<0.0145	0.3979	0.2715	---	0.1596
Mg_AA_Grab (SHEN)	µeq/L	1/26/2005 - 7/27/2005	3	3	100.00%	0.00%	3	<0.289	<0.289	0.289	---	0
Mg_Ions_Grab (SHEN)	µeq/L	10/31/2005 - 10/25/2006	5	2	20.00%	20.00%	5	<0.109	0.9286	0.6245	---	0.35
Na_AA_Grab (SHEN)	µeq/L	1/26/2005 - 7/27/2005	3	3	100.00%	0.00%	3	<0.355	<0.355	0.355	---	0
Na_Ions_Grab (SHEN)	µeq/L	10/31/2005 - 10/25/2006	5	1	20.00%	0.00%	5	<0.0145	0.3805	0.2625	---	0.1536
NH4_Ions_Grab (SHEN)	µeq/L	10/31/2005 - 10/25/2006	5	1	20.00%	0.00%	5	<0.0065	0.1496	0.1102	---	0.0596
NH4_TC_Grab500 (SHEN)	µeq/L	1/26/2005 - 7/27/2005	3	3	100.00%	0.00%	3	<0.21	<0.21	0.21	---	0
NO3_IC_Grab (SHEN)	µeq/L	1/26/2005 - 7/27/2005	3	3	100.00%	0.00%	3	<0.1005	<0.1005	0.1005	---	0
NO3_Ions_Grab (SHEN)	µeq/L	10/31/2005 - 10/25/2006	5	5	100.00%	0.00%	5	<0.0405	<0.0405	0.0405	---	0
pH_Manual_Grab (SHEN)	None	1/26/2005 - 10/25/2006	8	0	0.00%	0.00%	8	5.74	6.04	5.889	---	0.0948
converted pH	None							5.74	6.04	5.88	---	0.0953
H+ computed from pH	µeq/l							0.912	1.82	1.319	---	0.286
pH_Metrohm_Grab (SHEN)	None	10/25/2006 - 10/25/2006	1	0	0.00%	0.00%	1	5.787	5.787	5.787	---	
converted pH	None							5.787	5.787	5.787	---	
H+ computed from pH	µeq/l							1.634	1.634	1.634	---	
SiO2_TC_Grab (SHEN)	µmol/L	1/26/2005 - 10/25/2006	8	8	87.50%	12.50%	8	<0.5255	<2.005	0.7105	---	0.5232
SO4_IC_Grab (SHEN)	µeq/L	1/26/2005 - 7/27/2005	3	3	100.00%	0.00%	3	<0.5105	<0.5105	0.5105	---	0
SO4_Ions_Grab (SHEN)	µeq/L	10/31/2005 - 10/25/2006	5	1	20.00%	0.00%	5	<0.155	2.675	1.831	---	1.034
T_AL_TC_Grab (SHEN)	µg/l	1/26/2005 - 10/25/2006	8	8	75.00%	25.00%	8	<0.762	<2.907	1.298	---	0.9929

NPSTORET Trip Blank Summary Statistics - Period of Record

Filtered Results

Results filtered for:
Organization = SHEN: Shenandoah National Park
UVAVTSSS: University of Virginia non-NPS watersheds
Station = Include Trip QC And All Station Visit Results
Activities with Characteristic = ANC_5PT_Manual_Grab_RE (UVAVTSSS)
or ANC_Manual_AutoStream (SHEN)
or ANC_Manual_AutoStream (UVAVTSSS)
or ANC_Manual_Grab (SHEN)
or ANC_Manual_Grab (UVAVTSSS)
or ANC_Metrohm_AutoStream (SHEN)
or ANC_Metrohm_AutoStream (UVAVTSSS)
or ANC_Metrohm_Grab (SHEN)
or ANC_Metrohm_Grab (UVAVTSSS)
or Ca_AA_AutoPpt (SHEN)
or Ca_AA_AutoPpt (UVAVTSSS)
or Ca_AA_AutoStream (SHEN)
or Ca_AA_AutoStream (UVAVTSSS)
or Ca_AA_Bulk (SHEN)
or Ca_AA_Bulk (UVAVTSSS)
or Ca_AA_Grab (SHEN)
or Ca_AA_Grab (UVAVTSSS)
or Ca_AA_Grab_F_A (UVAVTSSS)
or Ca_AA_Wet (SHEN)
or Ca_AA_Wet (UVAVTSSS)
or Ca_Chang_LH (SHEN)
or Ca_Chang_LH (UVAVTSSS)
or Ca_Ions_AutoStream (SHEN)
or Ca_Ions_AutoStream (UVAVTSSS)
or Ca_Ions_Grab (SHEN)
or Ca_Ions_Grab (UVAVTSSS)
or Cl_Chang_LH (SHEN)
or Cl_Chang_LH (UVAVTSSS)
or Cl_IC_AutoPpt (SHEN)
or Cl_IC_AutoPpt (UVAVTSSS)
or Cl_IC_AutoStream (SHEN)
or Cl_IC_AutoStream (UVAVTSSS)
or Cl_IC_Bulk (SHEN)
or Cl_IC_Bulk (UVAVTSSS)
or Cl_IC_Grab (SHEN)

or Cl_IC_Grab (UVAVTSSS)
or CL_IC_Grab_F_RE (UVAVTSSS)
or Cl_IC_Wet (SHEN)
or Cl_IC_Wet (UVAVTSSS)
or Cl_Ions_AutoStream (SHEN)
or Cl_Ions_AutoStream (UVAVTSSS)
or Cl_Ions_Grab (SHEN)
or Cl_Ions_Grab (UVAVTSSS)
or Cl_TC_Grab (SHEN)
or Cl_TC_Grab (UVAVTSSS)
or Cond_VWR_Manual_Autoppt (SHEN)
or Cond_VWR_Manual_Autoppt (UVAVTSSS)
or Cond_VWR_Manual_AutoStream (SHEN)
or Cond_VWR_Manual_AutoStream (UVAVTSSS)
or Cond_VWR_Manual_Bulk (SHEN)
or Cond_VWR_Manual_Bulk (UVAVTSSS)
or Cond_VWR_Manual_Grab (SHEN)
or Cond_VWR_Manual_Grab (UVAVTSSS)
or Cond_VWR_Manual_wet (SHEN)
or Cond_VWR_Manual_wet (UVAVTSSS)
or Cond_YSI_Manual_AutoStream (SHEN)
or Cond_YSI_Manual_AutoStream (UVAVTSSS)
or Cond_YSI_Manual_Grab (SHEN)
or Cond_YSI_Manual_Grab (UVAVTSSS)
or Cond_YSI_Manual_Grab_RE (UVAVTSSS)
or days_since_precip (SHEN)
or days_since_precip (UVAVTSSS)
or discharge velocity (SHEN)
or DOC_DC80_UMD_AutoStream (SHEN)
or DOC_DC80_UMD_AutoStream (UVAVTSSS)
or DOC_DC80_UMD_Grab (SHEN)
or DOC_DC80_UMD_Grab (UVAVTSSS)
or DOC_DC80_UVA_AutoStream (SHEN)
or DOC_DC80_UVA_AutoStream (UVAVTSSS)
or DOC_DC80_UVA_Grab (SHEN)
or DOC_DC80_UVA_Grab (UVAVTSSS)
or DOC_DC80_UVA_Grab_F_A_RE (UVAVTSSS)
or DOC_PHN_8K_PA_UVA_AutoStream (SHEN)
or DOC_PHN_8K_PA_UVA_Grab (SHEN)

or DOC_PHN_8K_UMD_AutoStream (SHEN)
or DOC_PHN_8K_UMD_AutoStream (UVAVTSSS)
or DOC_PHN_8K_UMD_Grab (SHEN)
or DOC_PHN_8K_UMD_Grab (UVAVTSSS)
or DOC_PHN_8K_UVA_AutoStream (SHEN)
or DOC_PHN_8K_UVA_AutoStream (UVAVTSSS)
or DOC_PHN_8K_UVA_Grab (SHEN)
or DOC_PHN_8K_UVA_Grab (UVAVTSSS)
or flow_streamStage (SHEN)
or flow_streamStage (UVAVTSSS)
or general_observation (SHEN)
or general_observation (UVAVTSSS)
or K_AA_AutoPpt (SHEN)
or K_AA_AutoPpt (UVAVTSSS)
or K_AA_AutoStream (SHEN)
or K_AA_AutoStream (UVAVTSSS)
or K_AA_Bulk (SHEN)
or K_AA_Bulk (UVAVTSSS)
or K_AA_Grab (SHEN)
or K_AA_Grab (UVAVTSSS)
or K_AA_Grab_F_A (UVAVTSSS)
or K_AA_Wet (SHEN)
or K_AA_Wet (UVAVTSSS)
or K_Chang_LH (SHEN)
or K_Chang_LH (UVAVTSSS)
or K_Ions_AutoStream (SHEN)
or K_Ions_AutoStream (UVAVTSSS)
or K_Ions_Grab (SHEN)
or K_Ions_Grab (UVAVTSSS)
or Mg_AA_AutoPpt (SHEN)
or Mg_AA_AutoPpt (UVAVTSSS)
or Mg_AA_AutoStream (SHEN)
or Mg_AA_AutoStream (UVAVTSSS)
or Mg_AA_Bulk (SHEN)
or Mg_AA_Bulk (UVAVTSSS)
or Mg_AA_Grab (SHEN)
or Mg_AA_Grab (UVAVTSSS)
or Mg_AA_Grab_F_A (UVAVTSSS)
or Mg_AA_Wet (SHEN)

or Mg_AA_Wet (UVAVTSSS)
or Mg_Chang_LH (SHEN)
or Mg_Chang_LH (UVAVTSSS)
or Mg_Ions_AutoStream (SHEN)
or Mg_Ions_AutoStream (UVAVTSSS)
or Mg_Ions_Grab (SHEN)
or Mg_Ions_Grab (UVAVTSSS)
or Na_AA_AutoPpt (SHEN)
or Na_AA_AutoPpt (UVAVTSSS)
or Na_AA_AutoStream (SHEN)
or Na_AA_AutoStream (UVAVTSSS)
or Na_AA_Bulk (SHEN)
or Na_AA_Bulk (UVAVTSSS)
or Na_AA_Grab (SHEN)
or Na_AA_Grab (UVAVTSSS)
or Na_AA_Grab_F_A (UVAVTSSS)
or Na_AA_Wet (SHEN)
or Na_AA_Wet (UVAVTSSS)
or Na_Chang_LH (SHEN)
or Na_Chang_LH (UVAVTSSS)
or Na_Ions_AutoStream (SHEN)
or Na_Ions_AutoStream (UVAVTSSS)
or Na_Ions_Grab (SHEN)
or Na_Ions_Grab (UVAVTSSS)
or NH4_Chang_LH (SHEN)
or NH4_Chang_LH (UVAVTSSS)
or NH4_Ions_AutoStream (SHEN)
or NH4_Ions_AutoStream (UVAVTSSS)
or NH4_Ions_Grab (SHEN)
or NH4_Ions_Grab (UVAVTSSS)
or NH4_TC_AutoPpt (SHEN)
or NH4_TC_AutoPpt (UVAVTSSS)
or NH4_TC_AutoStream (SHEN)
or NH4_TC_AutoStream (UVAVTSSS)
or NH4_TC_Bulk (SHEN)
or NH4_TC_Bulk (UVAVTSSS)
or NH4_TC_Grab_F_A_RE (UVAVTSSS)
or NH4_TC_Grab250 (SHEN)
or NH4_TC_Grab250 (UVAVTSSS)

or NH4_TC_Grab500 (SHEN)
or NH4_TC_Grab500 (UVAVTSSS)
or NH4_TC_Wet (SHEN)
or NH4_TC_Wet (UVAVTSSS)
or NO3_Chang_LH (SHEN)
or NO3_Chang_LH (UVAVTSSS)
or NO3_IC_AutoPpt (SHEN)
or NO3_IC_AutoPpt (UVAVTSSS)
or NO3_IC_AutoStream (SHEN)
or NO3_IC_AutoStream (UVAVTSSS)
or NO3_IC_Bulk (SHEN)
or NO3_IC_Bulk (UVAVTSSS)
or NO3_IC_Grab (SHEN)
or NO3_IC_Grab (UVAVTSSS)
or NO3_IC_Grab_F_RE (UVAVTSSS)
or NO3_IC_Wet (SHEN)
or NO3_IC_Wet (UVAVTSSS)
or NO3_Ions_AutoStream (SHEN)
or NO3_Ions_AutoStream (UVAVTSSS)
or NO3_Ions_Grab (SHEN)
or NO3_Ions_Grab (UVAVTSSS)
or NO3_TC_Grab (SHEN)
or NO3_TC_Grab (UVAVTSSS)
or Non-filterable Residue (SHEN)
or Non-filterable Residue (UVAVTSSS)
or O_AL_TC_AutoStream (SHEN)
or O_AL_TC_AutoStream (UVAVTSSS)
or O_AL_TC_Grab (SHEN)
or O_AL_TC_Grab (UVAVTSSS)
or O_AL_TC_Grab_F_RE (UVAVTSSS)
or pH_Manual_AutoPpt (SHEN)
or pH_Manual_AutoPpt (UVAVTSSS)
or pH_Manual_AutoStream (SHEN)
or pH_Manual_AutoStream (UVAVTSSS)
or pH_Manual_Bulk (SHEN)
or pH_Manual_Bulk (UVAVTSSS)
or pH_Manual_Grab (SHEN)
or pH_Manual_Grab (UVAVTSSS)
or pH_Manual_Grab_RE (UVAVTSSS)

or pH_Manual_Wet (SHEN)
or pH_Manual_Wet (UVAVTSSS)
or pH_Metrohm_AutoStream (SHEN)
or pH_Metrohm_AutoStream (UVAVTSSS)
or pH_Metrohm_Grab (SHEN)
or pH_Metrohm_Grab (UVAVTSSS)
or SiO2_TC_AutoPpt (SHEN)
or SiO2_TC_AutoPpt (UVAVTSSS)
or SiO2_TC_AutoStream (SHEN)
or SiO2_TC_AutoStream (UVAVTSSS)
or SiO2_TC_Bulk (SHEN)
or SiO2_TC_Bulk (UVAVTSSS)
or SiO2_TC_Grab (SHEN)
or SiO2_TC_Grab (UVAVTSSS)
or SiO2_TC_Grab_F_RE (UVAVTSSS)
or SiO2_TC_Wet (SHEN)
or SiO2_TC_Wet (UVAVTSSS)
or SO4_Chang_LH (SHEN)
or SO4_Chang_LH (UVAVTSSS)
or SO4_IC_AutoPpt (SHEN)
or SO4_IC_AutoPpt (UVAVTSSS)
or SO4_IC_AutoStream (SHEN)
or SO4_IC_AutoStream (UVAVTSSS)
or SO4_IC_Bulk (SHEN)
or SO4_IC_Bulk (UVAVTSSS)
or SO4_IC_Grab (SHEN)
or SO4_IC_Grab (UVAVTSSS)
or SO4_IC_Grab_F_RE (UVAVTSSS)
or SO4_IC_Wet (SHEN)
or SO4_IC_Wet (UVAVTSSS)
or SO4_Ions_AutoStream (SHEN)
or SO4_Ions_AutoStream (UVAVTSSS)
or SO4_Ions_Grab (SHEN)
or SO4_Ions_Grab (UVAVTSSS)
or SO4_TC_Grab (SHEN)
or SO4_TC_Grab (UVAVTSSS)
or T_AL_TC_AutoStream (SHEN)
or T_AL_TC_AutoStream (UVAVTSSS)
or T_AL_TC_Grab (SHEN)

or T_AL_TC_Grab (UVAVTSSS)
or T_AL_TC_Grab_F_RE (UVAVTSSS)
or Temp_Water_C (SHEN)
or Temp_Water_C (UVAVTSSS)
or Volatile Residue (SHEN)
or Volatile Residue (UVAVTSSS)
or voltage_solarLoad (SHEN)
or voltage_StevensClock (SHEN)
or water_appearance (SHEN)
or water_appearance (UVAVTSSS)
or water_turbidity (SHEN)
or water_turbidity (UVAVTSSS)
or WatLev_AXSYS (SHEN)
or WatLev_Chart (SHEN)
or WatLev_Staff (SHEN)
or weather (SHEN)
or weather (UVAVTSSS)

Only display results that meet characteristic criteria
Activity Type = Quality Control Sample-Trip Blank
Date (>=1/1/2005 and <=12/31/2006)
Value Status <> Rejected

Censored Data Substitutions: *Non-detect=0.5* DetectionLimit, *Present <QL=0.6 * LowerQuantificationLimit

Appendix 6: Summary of Reference Sample Analyses for Sample Period: January 2005 through December 2006

Concentrations in µeq/L (alkalinity and ions), µmol/L (SiO_2), µS/cm (conductivity), µg/L (T_AL=total monomeric aluminum, O_AL=organic monomeric aluminum), and mg/L (DOC).

Chloroform (1 mL/L) added to bulk streamwater samples (other than aluminum aliquots).

Natural audit samples provided by Environmental Assessment Department, Lockheed Engineering and Sciences. Listed target values are based on data collected from multiple laboratories. Samples are maintained at approximately 4 °C. Chloroform (1 mL/L) added (other than aluminum aliquots).

Synthetic audit samples purchased from High Purity Standards, Charleston, South Carolina. Listed target values are provided by High Purity Standards. Samples are maintained at approximately 4°C. Chloroform (1 mL/L) added (other than aluminum aliquots).

CRM – Certified Reference Materials purchased from Environment Canada National Water Research Institute. Target values for these samples are derived from several performance evaluation studies in which multiple laboratories participated. Samples are maintained at approximately 4°C. Chloroform (1 mL/L) added (other than aluminum aliquots).

QC Type	Site ID	Date	n	Analyte	Mean	Std. Dev.	Min	Max	Target	Recovery low	Recovery high	Std Error
Bulk	NFDR	10/23/2003	15	ALK	51.98	1.15	50.37	53.61	.	.	.	0.30
Bulk	NFDR	10/23/2003	15	COND	25.42	0.11	25.30	25.70	.	.	.	0.03
Bulk	NFDR	10/23/2003	15	PH	5.96	0.02	5.95	6.02	.	.	.	0.01
Bulk	NFDR	03/09/2005	90	ALK	32.05	7.95	17.19	43.67	.	.	.	0.84
Bulk	NFDR	03/09/2005	2	CA	74.87	1.80	73.60	76.15	.	.	.	1.27
Bulk	NFDR	03/09/2005	9	CL	25.11	0.45	24.28	25.61	.	.	.	0.15
Bulk	NFDR	03/09/2005	113	COND	24.54	0.55	23.40	25.80	.	.	.	0.05
Bulk	NFDR	03/09/2005	2	K	8.51	0.05	8.47	8.55	.	.	.	0.04
Bulk	NFDR	03/09/2005	2	MG	43.82	0.29	43.62	44.03	.	.	.	0.21
Bulk	NFDR	03/09/2005	2	NA	70.99	1.05	70.25	71.73	.	.	.	0.74
Bulk	NFDR	03/09/2005	9	NO3	26.51	0.20	26.31	26.94	.	.	.	0.07
Bulk	NFDR	03/09/2005	104	PH	5.76	0.18	5.48	6.18	.	.	.	0.02
Bulk	NFDR	03/09/2005	4	SIO2	156.35	0.16	156.12	156.49	.	.	.	0.08
Bulk	NFDR	03/09/2005	9	SO4	98.26	0.44	97.76	99.15	.	.	.	0.15

QC Type	Site ID	Date	n	Analyte	Mean	Std. Dev.	Min	Max	Target	Recovery low	Recovery high	Std Error
Bulk	NFDR	06/06/2007	12	SIO2	167.34	0.68	166.18	168.49	.	.	.	0.20
Bulk	PAIN	12/07/2004	52	ALK	-31.31	23.54	-80.51	-3.83	.	.	.	3.26
Bulk	PAIN	12/07/2004	7	CL	33.49	0.99	32.04	34.55	.	.	.	0.37
Bulk	PAIN	12/07/2004	66	COND	30.81	7.44	21.00	43.70	.	.	.	0.92
Bulk	PAIN	12/07/2004	7	NO3	0.04	0.04	-0.03	0.10	.	.	.	0.02
Bulk	PAIN	12/07/2004	66	PH	4.64	0.32	4.18	5.20	.	.	.	0.04
Bulk	PAIN	12/07/2004	7	SO4	112.26	0.61	111.53	113.11	.	.	.	0.23
Bulk	PAIN	12/06/2005	51	ALK	-37.48	23.21	-74.78	-1.39	.	.	.	3.25
Bulk	PAIN	12/06/2005	2	CA	31.01	0.88	30.39	31.64	.	.	.	0.62
Bulk	PAIN	12/06/2005	2	CL	22.35	0.10	22.28	22.42	.	.	.	0.07
Bulk	PAIN	12/06/2005	63	COND	33.06	6.70	21.00	44.30	.	.	.	0.84
Bulk	PAIN	12/06/2005	2	K	40.92	0.42	40.63	41.22	.	.	.	0.29
Bulk	PAIN	12/06/2005	2	MG	50.82	0.17	50.70	50.94	.	.	.	0.12
Bulk	PAIN	12/06/2005	2	NA	20.55	0.71	20.05	21.05	.	.	.	0.50
Bulk	PAIN	12/06/2005	2	NO3	4.00	0.13	3.91	4.09	.	.	.	0.09
Bulk	PAIN	12/06/2005	54	PH	4.61	0.29	4.28	5.50	.	.	.	0.04
Bulk	PAIN	12/06/2005	4	SIO2	92.14	0.37	91.67	92.46	.	.	.	0.19
Bulk	PAIN	12/06/2005	2	SO4	109.88	0.63	109.43	110.32	.	.	.	0.45
Bulk	PAIN	05/29/2007	14	SIO2	72.53	0.25	72.23	72.97	.	.	.	0.07
CRM	AE02	07/22/2005	6	CA	7.99	0.31	7.69	8.48	8.18	93.90	103.65	0.13
CRM	AE02	07/22/2005	13	CL	3.67	0.14	3.41	3.92	3.38	100.83	115.84	0.04
CRM	AE02	07/22/2005	6	K	0.72	0.09	0.64	0.82	0.77	83.33	106.64	0.04
CRM	AE02	07/22/2005	6	MG	2.44	0.12	2.30	2.63	2.47	93.32	106.68	0.05
CRM	AE02	07/22/2005	6	NA	2.70	0.31	2.39	3.13	2.92	82.06	107.44	0.13
CRM	AE02	07/22/2005	15	NH4	11.25	0.12	11.08	11.47	11.42	97.06	100.46	0.03
CRM	AE02	07/22/2005	13	NO3	17.39	0.22	17.11	17.86	16.75	102.19	106.61	0.06
CRM	AE02	07/22/2005	4	SIO2	0.32	0.20	0.03	0.48	0.64	5.16	75.27	0.10
CRM	AE02	07/22/2005	13	SO4	37.87	0.59	36.71	39.10	37.44	98.06	104.44	0.16
CRM	QCP1	05/21/2007	1	CA	2.50	.	2.50	2.50	2.15	116.26	116.26	.
CRM	QCP1	05/21/2007	1	K	2.94	.	2.94	2.94	3.48	84.55	84.55	.
CRM	QCP1	05/21/2007	1	MG	8.48	.	8.48	8.48	7.57	111.95	111.95	.
CRM	QCP1	05/21/2007	1	NA	5.05	.	5.05	5.05	5.70	88.56	88.56	.
CRM	QCP2	05/21/2007	1	CA	17.81	.	17.81	17.81	17.12	104.08	104.08	.
CRM	QCP2	05/21/2007	1	K	20.35	.	20.35	20.35	20.22	100.63	100.63	.
CRM	QCP2	05/21/2007	1	MG	37.36	.	37.36	37.36	36.95	101.11	101.11	.

QC Type	Site ID	Date	n	Analyte	Mean	Std. Dev.	Min	Max	Target	Recovery low	Recovery high	Std Error
CRM	QCP2	05/21/2007	1	NA	66.21	.	66.21	66.21	64.25	103.05	103.05	.
CRM	RA97	07/22/2005	2	CA	138.92	0.85	138.32	139.52	142.71	96.92	97.76	0.60
CRM	RA97	07/22/2005	11	CL	16.27	0.17	15.93	16.61	16.36	97.41	101.55	0.05
CRM	RA97	07/22/2005	2	K	4.13	0.09	4.07	4.20	4.25	95.76	98.78	0.06
CRM	RA97	07/22/2005	2	MG	81.44	0.52	81.07	81.81	82.30	98.50	99.40	0.37
CRM	RA97	07/22/2005	2	NA	12.22	0.43	11.92	12.53	13.05	91.33	96.00	0.30
CRM	RA97	07/22/2005	14	NH4	13.19	0.12	13.02	13.41	13.63	95.54	98.39	0.03
CRM	RA97	07/22/2005	11	NO3	157.64	0.88	155.80	159.12	158.22	98.47	100.57	0.26
CRM	RA97	07/22/2005	5	SIO2	4.26	0.27	3.82	4.48	4.26	89.60	105.19	0.12
CRM	RA97	07/22/2005	11	SO4	116.89	0.32	116.58	117.62	118.56	98.33	99.21	0.10
De-ionized	DIW	.	134	ALK	0.79	1.61	-3.10	6.30	.	.	.	0.14
De-ionized	DIW	.	18	CA	-0.18	0.57	-1.75	0.80	.	.	.	0.14
De-ionized	DIW	.	11	CL	0.12	0.11	-0.06	0.25	.	.	.	0.03
De-ionized	DIW	.	129	COND	0.11	0.05	0.10	0.40	.	.	.	0.00
De-ionized	DIW	.	18	K	-0.00	0.09	-0.18	0.13	.	.	.	0.02
De-ionized	DIW	.	18	MG	0.11	0.16	-0.17	0.41	.	.	.	0.04
De-ionized	DIW	.	18	NA	-0.27	0.40	-0.96	0.13	.	.	.	0.09
De-ionized	DIW	.	13	NH4	-0.05	0.08	-0.22	0.06	.	.	.	0.02
De-ionized	DIW	.	11	NO3	0.04	0.02	0.01	0.06	.	.	.	0.01
De-ionized	DIW	.	24	SIO2	-0.03	0.38	-1.18	0.58	.	.	.	0.08
De-ionized	DIW	.	11	SO4	0.11	0.03	0.06	0.17	.	.	.	0.01
De-ionized	DIW	.	14	T_AL	0.42	0.38	-0.13	1.11	.	.	.	0.10
Natural	FN10	01/01/1990	1	T_AL	120.49	.	120.49	120.49	158.00	76.26	76.26	.
Natural	FN13	04/14/1994	6	CA	108.62	0.99	107.49	109.98	99.26	108.29	110.81	0.40
Natural	FN13	04/14/1994	11	CL	10.63	0.09	10.46	10.74	11.91	87.85	90.22	0.03
Natural	FN13	04/14/1994	6	K	8.61	0.18	8.45	8.88	8.95	94.44	99.31	0.07
Natural	FN13	04/14/1994	6	MG	40.96	0.26	40.66	41.32	38.74	104.96	106.66	0.11
Natural	FN13	04/14/1994	6	NA	24.90	0.28	24.49	25.23	25.39	96.45	99.37	0.11
Natural	FN13	04/14/1994	22	SIO2	18.50	0.47	16.68	19.21	17.75	94.02	108.23	0.10
Natural	FN13	04/14/1994	11	SO4	120.65	0.58	119.31	121.29	115.09	103.66	105.38	0.17
Natural	FN13	04/14/1994	15	T_AL	34.48	2.19	32.18	40.93	58.00	55.49	70.57	0.57
Natural	FN15	04/14/1994	6	CA	119.51	1.18	118.26	121.51	111.80	105.78	108.68	0.48
Natural	FN15	04/14/1994	12	CL	14.62	0.19	14.16	14.89	15.75	89.88	94.54	0.05
Natural	FN15	04/14/1994	6	K	10.96	0.17	10.62	11.09	11.35	93.60	97.67	0.07
Natural	FN15	04/14/1994	6	MG	30.75	0.23	30.45	31.03	29.67	102.64	104.58	0.09

QC Type	Site ID	Date	n	Analyte	Mean	Std. Dev.	Min	Max	Target	Recovery low	Recovery high	Std Error
Natural	FN15	04/14/1994	6	NA	30.87	0.50	30.02	31.45	31.08	96.56	101.18	0.21
Natural	FN15	04/14/1994	12	NO3	23.00	0.19	22.65	23.35	22.00	102.97	106.11	0.06
Natural	FN15	04/14/1994	3	O_AL	57.86	1.90	55.87	59.64	35.42	157.74	168.39	1.09
Natural	FN15	04/14/1994	19	SIO2	70.48	0.41	69.41	71.02	69.26	100.22	102.54	0.09
Natural	FN15	04/14/1994	12	SO4	136.38	0.51	135.85	137.55	130.92	103.76	105.07	0.15
Natural	FN15	04/14/1994	12	T_AL	95.67	2.59	91.48	99.28	165.08	55.41	60.14	0.75
Natural	FN16	04/14/1994	2	CA	288.57	0.00	288.57	288.57	285.96	100.91	100.91	0.00
Natural	FN16	04/14/1994	10	CL	27.91	0.51	26.96	28.60	27.67	97.44	103.35	0.16
Natural	FN16	04/14/1994	2	K	18.28	0.14	18.18	18.38	19.29	94.23	95.29	0.10
Natural	FN16	04/14/1994	2	MG	133.94	1.34	133.00	134.89	131.33	101.27	102.71	0.95
Natural	FN16	04/14/1994	2	NA	43.54	0.31	43.33	43.76	44.13	98.17	99.16	0.22
Natural	FN16	04/14/1994	10	NO3	3.57	0.69	2.59	4.57	5.93	43.69	77.06	0.22
Natural	FN16	04/14/1994	22	SIO2	37.60	0.26	37.17	38.21	37.30	99.64	102.45	0.06
Natural	FN16	04/14/1994	10	SO4	178.13	1.83	175.70	181.09	174.33	100.78	103.87	0.58
Synthetic	PHQC	01/01/2005	263	PH	4.64	0.02	4.58	4.71	4.60	99.57	102.39	0.00

Appendix 7: New LIMS QC results

QCs used during the period

Lab QC Type	Lab QC Name	Lab QC Comment
CRM	84_SW04	ENVIRONMENT CANADA PT STUDY 84 SAMPLE SW-04
CRM	84_SW05	ENVIRONMENT CANADA PT STUDY 84 SAMPLE SW-05
CRM	AE02 04/05/2004	ENVIRONMENT CANADA ACID RAINWATER QC SAMPLE AES-02
CRM	FN13	NATURAL AUDIT SAMPLE PROVIDED BY LOCKHEED ENGINEERING AND SCIENCES COMPANY
CRM	FN15	NATURAL AUDIT SAMPLE PROVIDED BY LOCKHEED ENGINEERING AND SCIENCES COMPANY
CRM	FN16	NATURAL AUDIT SAMPLE PROVIDED BY LOCKHEED ENGINEERING AND SCIENCES COMPANY
CRM	QCP1	INORGANIC VENTURES QCP-RAIN SAMPLE 1 (LOT # X-RN01013)
CRM	QCP2	INORGANIC VENTURES QCP-RAIN SAMPLE 2 (LOT # X-RN01017)
LAB	ANION_MIDSTD	ANION STANDARD 3 FOR QC
LAB	CATION_MIDSTD	CATION STANDARD 3 FOR QC
LAB	DIW	DE-IONIZED WATER
LAB	PH 4.60 QCS	LABORATORY-PREPARED PH 4.60 QUALITY CHECK STANDARD
STATISTIC	Titrator	FOR R-SQUARED AND TITRATION SLOPE
SWAS NATURAL MA	NFDR 03/09/2005	CARBOY COLLECTED BY SWAS STAFF
SWAS NATURAL MA	NFDR 06/06/2007	CARBOY COLLECTED BY SWAS STAFF
SWAS NATURAL MA	PAIN 05/29/2007	CARBOY COLLECTED BY SWAS STAFF
SWAS NATURAL MA	PAIN 12/06/2005	CARBOY COLLECTED BY SWAS STAFF

QC Analysis results

Lab QC Type	Lab QC Name	NPSTORET Procedure ID	EPA STORET Name	Lab Statistic Name	n	Mean	Std Dev	Min	Max	Std Error	Lab Target Value	Recovery Low	Recovery High
CRM	84_SW04	IONS_IC	Calcium		2	79.77	1.20	78.92	80.62	0.85	78.80	100.2	102.3
CRM	84_SW04	IONS_IC	Chloride		2	3.68	0.21	3.53	3.82	0.15	3.70	95.4	103.4
CRM	84_SW04	IONS_IC	Magnesium		2	22.33	0.65	21.87	22.79	0.46	23.00	95.1	99.1
CRM	84_SW04	IONS_IC	Nitrogen, Nitrate (NO3) as NO3		2	31.97	0.23	31.81	32.13	0.16	33.50	95.0	95.9
CRM	84_SW04	IONS_IC	Nitrogen, ammonium (NH4) as NH4		2	0.19	0.00	0.19	0.20	0.00	0.21	92.0	93.5
CRM	84_SW04	IONS_IC	Potassium		2	0.73	0.00	0.73	0.74	0.00	0.60	121.6	122.7
CRM	84_SW04	IONS_IC	Sodium		2	2.13	0.01	2.12	2.14	0.01	2.40	88.3	89.0
CRM	84_SW04	IONS_IC	Sulfur, sulfate (SO4) as SO4		2	29.96	0.18	29.83	30.08	0.13	31.00	96.2	97.0
CRM	84_SW05	IONS_IC	Calcium		2	112.51	1.15	111.69	113.32	0.81	109.30	102.2	103.7
CRM	84_SW05	IONS_IC	Chloride		2	21.19	0.23	21.03	21.35	0.16	20.90	100.6	102.2
CRM	84_SW05	IONS_IC	Magnesium		2	46.08	0.47	45.75	46.42	0.33	45.30	101.0	102.5
CRM	84_SW05	IONS_IC	Nitrogen, Nitrate (NO3) as NO3		2	4.19	0.03	4.17	4.22	0.02	4.30	97.0	98.0
CRM	84_SW05	IONS_IC	Nitrogen, ammonium (NH4) as NH4		2	0.18	.	0.18	0.18	.	0.29	62.0	62.0
CRM	84_SW05	IONS_IC	Potassium		2	4.65	0.02	4.64	4.67	0.01	5.10	91.0	91.5
CRM	84_SW05	IONS_IC	Sodium		2	34.85	0.07	34.80	34.90	0.05	33.90	102.7	102.9
CRM	84_SW05	IONS_IC	Sulfur, sulfate (SO4) as SO4		2	146.19	0.37	145.93	146.45	0.26	145.60	100.2	100.6
CRM	AE02 04/05/2004	IONS_IC	Calcium		15	8.18	0.39	7.77	8.92	0.10	8.18	95.0	108.9
CRM	AE02 04/05/2004	IONS_IC	Chloride		15	3.53	0.09	3.40	3.69	0.02	3.38	100.6	109.1
CRM	AE02 04/05/2004	IONS_IC	Magnesium		15	2.62	0.56	1.71	4.40	0.14	2.47	69.1	178.1
CRM	AE02 04/05/2004	IONS_IC	Nitrogen, Nitrate (NO3) as NO3		15	17.00	0.15	16.72	17.32	0.04	16.75	99.9	103.4
CRM	AE02 04/05/2004	IONS_IC	Nitrogen, ammonium (NH4) as NH4		14	10.15	0.35	9.26	10.46	0.09	11.42	81.1	91.6

Lab QC Type	Lab QC Name	NPSTORET Procedure ID	EPA STORET Name	Lab Statistic Name	n	Mean	Std Dev	Min	Max	Std Error	Lab Target Value	Recovery Low	Recovery High
CRM	AE02 04/05/2004	IONS_IC	Potassium		15	0.93	0.24	0.78	1.77	0.06	0.77	101.7	229.9
CRM	AE02 04/05/2004	IONS_IC	Sodium		15	2.82	0.15	2.65	3.20	0.04	2.92	91.0	109.8
CRM	AE02 04/05/2004	IONS_IC	Sulfur, sulfate (SO4) as SO4		15	37.25	0.29	36.86	38.04	0.07	37.44	98.4	101.6
CRM	FN13	IONS_IC	Calcium		26	109.13	1.52	107.03	113.07	0.30	99.26	107.8	113.9
CRM	FN13	IONS_IC	Chloride		26	10.20	0.17	9.98	10.71	0.03	11.91	83.8	89.9
CRM	FN13	IONS_IC	Magnesium		26	40.78	1.16	40.06	45.75	0.23	38.74	103.4	118.1
CRM	FN13	IONS_IC	Potassium		26	8.07	0.19	7.60	8.51	0.04	8.95	84.9	95.1
CRM	FN13	IONS_IC	Sodium		26	24.78	0.43	24.52	26.71	0.08	25.39	96.6	105.2
CRM	FN13	IONS_IC	Sulfur, sulfate (SO4) as SO4		26	120.35	0.63	118.87	121.97	0.12	115.09	103.3	106.0
CRM	FN15	IONS_IC	Calcium		20	121.95	1.78	116.31	124.04	0.40	111.80	104.0	110.9
CRM	FN15	IONS_IC	Chloride		20	14.38	0.14	14.22	14.87	0.03	15.75	90.3	94.4
CRM	FN15	IONS_IC	Magnesium		20	30.08	1.39	25.02	32.77	0.31	29.67	84.3	110.5
CRM	FN15	IONS_IC	Nitrogen, Nitrate (NO3) as NO3		20	22.73	0.27	22.23	23.13	0.06	22.00	101.1	105.1
CRM	FN15	IONS_IC	Potassium		20	10.82	0.22	10.32	11.32	0.05	11.35	91.0	99.7
CRM	FN15	IONS_IC	Sodium		20	31.91	1.27	31.03	36.75	0.28	31.08	99.8	118.2
CRM	FN15	IONS_IC	Sulfur, sulfate (SO4) as SO4		20	136.67	0.61	135.67	137.65	0.14	130.92	103.6	105.1
CRM	FN16	IONS_IC	Calcium		15	295.69	6.54	280.30	305.00	1.69	285.96	98.0	106.7
CRM	FN16	IONS_IC	Chloride		18	27.69	0.38	26.80	28.86	0.09	27.67	96.9	104.3
CRM	FN16	IONS_IC	Magnesium		18	137.27	0.99	135.30	138.77	0.23	131.33	103.0	105.7
CRM	FN16	IONS_IC	Nitrogen, Nitrate (NO3) as NO3		18	4.66	0.19	4.37	5.20	0.05	5.93	73.6	87.6
CRM	FN16	IONS_IC	Potassium		18	18.80	0.31	17.93	19.08	0.07	19.29	92.9	98.9
CRM	FN16	IONS_IC	Sodium		18	44.74	0.60	44.05	46.45	0.14	44.13	99.8	105.2
CRM	FN16	IONS_IC	Sulfur, sulfate (SO4) as SO4		18	176.58	0.67	175.57	178.17	0.16	174.33	100.7	102.2
CRM	QCP1	IONS_IC	Calcium		21	2.57	0.47	2.14	3.72	0.10	2.10	101.9	177.2
CRM	QCP1	IONS_IC	Chloride		21	14.36	0.25	13.71	14.73	0.05	14.20	96.6	103.7
CRM	QCP1	IONS_IC	Magnesium		21	7.78	0.38	6.78	8.66	0.08	7.60	89.2	113.9
CRM	QCP1	IONS_IC	Nitrogen, Nitrate (NO3) as NO3		21	11.43	0.10	11.27	11.63	0.02	11.50	98.0	101.1

Lab QC Type	Lab QC Name	NPSTORET Procedure ID	EPA STORET Name	Lab Statistic Name	n	Mean	Std Dev	Min	Max	Std Error	Lab Target Value	Recovery Low	Recovery High
CRM	QCP1	IONS_IC	Nitrogen, ammonium (NH4) as NH4		21	13.42	0.86	11.25	14.37	0.19	14.00	80.4	102.6
CRM	QCP1	IONS_IC	Potassium		21	2.95	0.14	2.76	3.47	0.03	3.48	79.2	99.7
CRM	QCP1	IONS_IC	Sodium		21	4.99	0.13	4.86	5.29	0.03	5.70	85.3	92.8
CRM	QCP1	IONS_IC	Sulfur, sulfate (SO4) as SO4		21	62.35	0.41	61.15	63.02	0.09	62.98	97.1	100.1
CRM	QCP2	IONS_IC	Calcium		8	15.66	0.78	13.99	16.33	0.28	17.12	81.7	95.4
CRM	QCP2	IONS_IC	Chloride		8	58.10	0.23	57.76	58.39	0.08	57.53	100.4	101.5
CRM	QCP2	IONS_IC	Magnesium		8	35.91	1.32	33.48	37.09	0.47	36.95	90.6	100.4
CRM	QCP2	IONS_IC	Nitrogen, Nitrate (NO3) as NO3		8	59.47	0.16	59.31	59.79	0.06	58.64	101.1	102.0
CRM	QCP2	IONS_IC	Nitrogen, ammonium (NH4) as NH4		3	54.02	0.47	53.70	54.55	0.27	57.78	92.9	94.4
CRM	QCP2	IONS_IC	Potassium		8	19.90	0.45	18.80	20.15	0.16	20.22	93.0	99.6
CRM	QCP2	IONS_IC	Sodium		8	64.85	0.23	64.51	65.18	0.08	64.25	100.4	101.4
CRM	QCP2	IONS_IC	Sulfur, sulfate (SO4) as SO4		8	191.19	0.87	189.83	192.52	0.31	190.92	99.4	100.8
LAB	ANION_MIDSTD	IONS_IC	Chloride		99	34.11	0.19	33.72	34.58	0.02	33.84	99.7	102.2
LAB	ANION_MIDSTD	IONS_IC	Nitrogen, Nitrate (NO3) as NO3		99	38.86	0.19	38.49	39.43	0.02	38.64	99.6	102.0
LAB	ANION_MIDSTD	IONS_IC	Sulfur, sulfate (SO4) as SO4		99	125.49	0.53	124.24	127.07	0.05	124.80	99.5	101.8
LAB	CATION_MIDSTD	IONS_IC	Calcium		98	150.24	0.71	148.56	152.49	0.07	149.70	99.2	101.9
LAB	CATION_MIDSTD	IONS_IC	Magnesium		96	99.22	0.95	94.10	103.54	0.10	98.76	95.3	104.8
LAB	CATION_MIDSTD	IONS_IC	Nitrogen, ammonium (NH4) as NH4		96	16.69	0.18	16.08	17.44	0.02	16.62	96.7	105.0
LAB	CATION_MIDSTD	IONS_IC	Potassium		98	46.28	0.30	45.01	47.27	0.03	46.08	97.7	102.6
LAB	CATION_MIDSTD	IONS_IC	Sodium		98	52.37	0.22	51.73	53.10	0.02	52.20	99.1	101.7
LAB	DIW	ANC_PH_AUTOTITR	Acid Neutralizing Capacity (ANC)		71	0.95	1.48	-1.93	6.97	0.18	.	.	.

Lab QC Type	Lab QC Name	NPSTORET Procedure ID	EPA STORET Name	Lab Statistic Name	n	Mean	Std Dev	Min	Max	Std Error	Lab Target Value	Recovery Low	Recovery High
LAB	DIW	ANC_PH_AUTOTITR	Not Applicable	ANC Titration R-squared	71	1.00	0.00	1.00	1.00	0.00	.	.	.
LAB	DIW	ANC_PH_AUTOTITR	Not Applicable	ANC Titration slope	71	0.01	0.00	0.01	0.01	0.00	.	.	.
LAB	DIW	ANC_PH_AUTOTITR	pH		71	5.71	0.15	5.45	6.03	0.02	.	.	.
LAB	DIW	IONS_IC	Calcium		20	0.88	0.39	0.43	1.88	0.09	.	.	.
LAB	DIW	IONS_IC	Chloride		20	1.34	1.40	0.36	2.33	0.31	.	.	.
LAB	DIW	IONS_IC	Magnesium		20	0.81	0.12	0.57	0.99	0.03	.	.	.
LAB	DIW	IONS_IC	Nitrogen, Nitrate (NO3) as NO3		20	0.65	0.07	0.60	0.72	0.01	.	.	.
LAB	DIW	IONS_IC	Nitrogen, ammonium (NH4) as NH4		19	0.16	0.04	0.10	0.23	0.01	.	.	.
LAB	DIW	IONS_IC	Potassium		20	0.38	0.06	0.24	0.51	0.01	.	.	.
LAB	DIW	IONS_IC	Sodium		20	0.37	0.08	0.21	0.59	0.02	.	.	.
LAB	DIW	IONS_IC	Sulfur, sulfate (SO4) as SO4		20	2.00	0.54	1.62	2.39	0.12	.	.	.
LAB	PH 4.60 QCS	ANC_PH_AUTOTITR	Acid Neutralizing Capacity (ANC)		28	-24.08	0.89	-25.08	-21.74	0.17	.	.	.
LAB	PH 4.60 QCS	ANC_PH_AUTOTITR	Not Applicable	ANC Titration R-squared	28	1.00	0.00	1.00	1.00	0.00	.	.	.
LAB	PH 4.60 QCS	ANC_PH_AUTOTITR	Not Applicable	ANC Titration slope	28	0.01	0.00	0.01	0.01	0.00	.	.	.
LAB	PH 4.60 QCS	ANC_PH_AUTOTITR	pH		28	4.65	0.01	4.64	4.67	0.00	4.60	100.9	101.6
STATISTIC	Titrator	ANC_PH_AUTOTITR	Not Applicable	ANC Titration R-squared	1009	1.00	0.00	1.00	1.00	0.00	.	.	.
STATISTIC	Titrator	ANC_PH_AUTOTITR	Not Applicable	ANC Titration slope	1009	0.01	0.00	0.01	0.01	0.00	.	.	.

Lab QC Type	Lab QC Name	NPSTORET Procedure ID	EPA STORET Name	Lab Statistic Name	n	Mean	Std Dev	Min	Max	Std Error	Lab Target Value	Recovery Low	Recovery High
SWAS NATURAL MA	NFDR 03/09/2005	ANC_PH_AUTOTITR	Acid Neutralizing Capacity (ANC)		41	44.70	1.53	41.30	46.55	0.24	.	.	.
SWAS NATURAL MA	NFDR 03/09/2005	ANC_PH_AUTOTITR	Not Applicable	ANC Titration R-squared	41	1.00	0.00	1.00	1.00	0.00	.	.	.
SWAS NATURAL MA	NFDR 03/09/2005	ANC_PH_AUTOTITR	Not Applicable	ANC Titration slope	41	0.01	0.00	0.01	0.01	0.00	.	.	.
SWAS NATURAL MA	NFDR 03/09/2005	ANC_PH_AUTOTITR	pH		41	6.09	0.07	5.93	6.23	0.01	.	.	.
SWAS NATURAL MA	NFDR 06/06/2007	ANC_PH_AUTOTITR	Acid Neutralizing Capacity (ANC)		36	67.86	2.51	60.27	71.89	0.42	.	.	.
SWAS NATURAL MA	NFDR 06/06/2007	ANC_PH_AUTOTITR	Not Applicable	ANC Titration R-squared	36	1.00	0.00	1.00	1.00	0.00	.	.	.
SWAS NATURAL MA	NFDR 06/06/2007	ANC_PH_AUTOTITR	Not Applicable	ANC Titration slope	36	0.01	0.00	0.01	0.01	0.00	.	.	.
SWAS NATURAL MA	NFDR 06/06/2007	ANC_PH_AUTOTITR	pH		36	6.24	0.19	5.79	6.59	0.03	.	.	.
SWAS NATURAL MA	NFDR 06/06/2007	IONS_IC	Calcium		14	87.09	3.77	82.19	93.63	1.01	.	.	.
SWAS NATURAL MA	NFDR 06/06/2007	IONS_IC	Chloride		14	24.86	0.32	24.23	25.39	0.09	.	.	.
SWAS NATURAL MA	NFDR 06/06/2007	IONS_IC	Magnesium		14	48.08	2.24	46.05	54.60	0.60	.	.	.
SWAS NATURAL MA	NFDR 06/06/2007	IONS_IC	Nitrogen, Nitrate (NO3) as NO3		14	13.47	0.97	12.66	16.39	0.26	.	.	.

Lab QC Type	Lab QC Name	NPSTORET Procedure ID	EPA STORET Name	Lab Statistic Name	n	Mean	Std Dev	Min	Max	Std Error	Lab Target Value	Recovery Low	Recovery High
SWAS NATURAL MA	NFDR 06/06/2007	IONS_IC	Nitrogen, ammonium (NH4) as NH4		14	0.69	0.16	0.34	0.90	0.04	.	.	.
SWAS NATURAL MA	NFDR 06/06/2007	IONS_IC	Potassium		14	10.06	0.28	9.79	10.70	0.07	.	.	.
SWAS NATURAL MA	NFDR 06/06/2007	IONS_IC	Sodium		14	76.49	1.05	75.67	79.43	0.28	.	.	.
SWAS NATURAL MA	NFDR 06/06/2007	IONS_IC	Sulfur, sulfate (SO4) as SO4		14	100.22	0.67	99.05	101.32	0.18	.	.	.
SWAS NATURAL MA	PAIN 05/29/2007	ANC_PH_AUTOTITR	Acid Neutralizing Capacity (ANC)		38	5.78	3.67	-0.05	13.89	0.60	.	.	.
SWAS NATURAL MA	PAIN 05/29/2007	ANC_PH_AUTOTITR	Not Applicable	ANC Titration R-squared	38	1.00	0.00	1.00	1.00	0.00	.	.	.
SWAS NATURAL MA	PAIN 05/29/2007	ANC_PH_AUTOTITR	Not Applicable	ANC Titration slope	38	0.01	0.00	0.01	0.01	0.00	.	.	.
SWAS NATURAL MA	PAIN 05/29/2007	ANC_PH_AUTOTITR	pH		38	5.35	0.14	5.14	5.87	0.02	.	.	.
SWAS NATURAL MA	PAIN 05/29/2007	IONS_IC	Calcium		11	28.20	0.93	26.78	29.79	0.28	.	.	.
SWAS NATURAL MA	PAIN 05/29/2007	IONS_IC	Chloride		11	22.93	0.50	22.09	23.66	0.15	.	.	.
SWAS NATURAL MA	PAIN 05/29/2007	IONS_IC	Magnesium		11	47.69	1.26	46.07	50.18	0.38	.	.	.
SWAS NATURAL MA	PAIN 05/29/2007	IONS_IC	Nitrogen, Nitrate (NO3) as NO3		11	1.01	0.43	0.71	1.88	0.13	.	.	.

Lab QC Type	Lab QC Name	NPSTORET Procedure ID	EPA STORET Name	Lab Statistic Name	n	Mean	Std Dev	Min	Max	Std Error	Lab Target Value	Recovery Low	Recovery High
SWAS NATURAL MA	PAIN 05/29/2007	IONS_IC	Nitrogen, ammonium (NH4) as NH4		11	0.28	0.05	0.23	0.36	0.02	.	.	.
SWAS NATURAL MA	PAIN 05/29/2007	IONS_IC	Potassium		11	48.28	0.77	47.55	49.83	0.23	.	.	.
SWAS NATURAL MA	PAIN 05/29/2007	IONS_IC	Sodium		11	23.67	0.40	23.29	24.47	0.12	.	.	.
SWAS NATURAL MA	PAIN 05/29/2007	IONS_IC	Sulfur, sulfate (SO4) as SO4		11	105.93	1.44	104.10	108.38	0.43	.	.	.
SWAS NATURAL MA	PAIN 12/06/2005	ANC_PH_AUTOTITR	Acid Neutralizing Capacity (ANC)		41	-70.90	14.11	-90.77	-48.84	2.20	.	.	.
SWAS NATURAL MA	PAIN 12/06/2005	ANC_PH_AUTOTITR	Not Applicable	ANC Titration R-squared	41	1.00	0.00	1.00	1.00	0.00	.	.	.
SWAS NATURAL MA	PAIN 12/06/2005	ANC_PH_AUTOTITR	Not Applicable	ANC Titration slope	41	0.01	0.00	0.01	0.01	0.00	.	.	.
SWAS NATURAL MA	PAIN 12/06/2005	ANC_PH_AUTOTITR	pH		41	4.23	0.07	4.13	4.36	0.01	.	.	.

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: GRAYSON **Station ID:** BW01 **Visit Date:** 10/27/2005 9:45 AM
Visit Comment: LARRY PUCKETT // pH=6.11 (used Ross electrode checked with pH 4.0 low ionic strength sample). //

Activity: 051027094501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.01	Detected and Quantified	F	Actual				11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	13.66876 µeq/L	Detected and Quantified	F	Actual				12/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	13.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	34.45954 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	14.35924 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	47.24952 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	10.64541 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	141.332 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		1/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	62.66486 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	13.08846 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC2_GRAB	89.46258 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05102709450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4 °C	Detected and Quantified	F	Actual				10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: GRAYSON **Station ID:** BW01 **Visit Date:** 3/31/2006 1:08 PM
Visit Comment: LARRY PUCKETT // Green-brown color from organics. // Partly cloudy, warm Partly cloudy, warm

Activity: 060331130801 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.62	Detected and Quantified	F	Actual				4/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	3.61351 µeq/L	Detected and Quantified	F	Actual				4/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	13.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/12/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	33.67764 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	12.75902 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	39.19867 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	11.28886 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	108.796 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		1/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	2.73283 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	53.9981 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	9.15512 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N						
T_AL_TC_Grab	80.864 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		5/24/2006
Dilution: N	*Recovery:* N	*Correction:* N						
O_AL_TC_Grab	75.904 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		5/24/2006
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	69.49956 µeq/L	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06033113080F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	7 °C	Detected and Quantified	F	Actual				3/31/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: GRAYSON **Station ID:** BW01 **Visit Date:** 4/28/2006 1:58 PM
Visit Comment: LARRY PUCKETT // Field pH=5.48 // Sunny & clear, 60's. 1" rain on Wednesday.

Activity: 060428135801 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.49	Detected and Quantified	F	Actual				5/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	0.37553 µeq/L	Detected and Quantified	F	Actual				5/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	12.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/4/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	28.01125 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_Grab	10.27424 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	34.97015 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	10.56126 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	103.949 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	1/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	51.63715 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	8.72409 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	72.622 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	5/24/2006
Dilution: N	*Recovery:* N	*Correction:* N					
O_AL_TC_Grab	62.04 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	5/24/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	60.77727 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 060428135801 **Activity Type:** Quality Control Sample-Field Replicate **Activity Depth:** **Relative Depth:** **Replicate #:** 1

Custody ID: **Person(s):** **QC Sample?:** Yes

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.46	Detected and Quantified	F	Actual				5/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	2.02012 µeq/L	Detected and Quantified	F	Actual				5/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	12.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/4/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	29.55418 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_Grab	10.48982 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	35.01085 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	10.59912 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	104.397 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	1/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	51.54034 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	8.60361 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	62.20457 µeq/L	Detected and Quantified	F	Actual			3/19/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06042813580F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10 °C	Detected and Quantified	F	Actual				4/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: GRAYSON **Station ID:** BW01 **Visit Date:** 5/14/2006 11:00 AM
Visit Comment: LARRY PUCKETT // Stained, tea colored // Rainy with heavy rain previous night

Activity: 060514110001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.5	Detected and Quantified	F	Actual				5/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	7.19018 µeq/L	Detected and Quantified	F	Actual			6/1/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	13.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	5/25/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	38.30655 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	2/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	13.68689 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	2/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	39.31824 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	2/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	11.88188 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	2/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	102.588 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	1/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	3.83557 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	2/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	51.19995 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	2/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	8.209 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	2/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	123.863 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	5/24/2006
Dilution: N	*Recovery:* N	*Correction:* N					
O_AL_TC_Grab	122.824 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	5/24/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	70.4347 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06051411000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8.3 °C	Detected and Quantified	F	Actual				5/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

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Organization: University of Virginia non-NPS watersheds
Project ID: GRAYSON **Station ID:** BW01 **Visit Date:** 8/14/2006 2:55 PM
Visit Comment: FORREST ATWOOD // Field pH: 6.89 // Partly cloudy, mid 70's

Activity: 060814145501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.81	Detected and Quantified	F	Actual				8/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	11.16902 µeq/L	Detected and Quantified	F	Actual				10/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	10.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/23/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	29.23134 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		2/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	9.97388 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		2/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	38.95343 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		2/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	7.28612 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		2/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	126.89 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		1/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	0.43845 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		2/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	49.94528 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		2/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	8.13573 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		2/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC2_GRAB	69.68848 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06081414550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	14.6 °C	Detected and Quantified	F	Actual				8/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: GRAYSON **Station ID:** BW02 **Visit Date:** 4/28/2006 2:09 PM
Visit Comment: LARRY PUCKETT // Field pH=6.52 // Clear & sunny, 60's 1" rain on Wednesday

Activity: 060428140901 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.44	Detected and Quantified	F	Actual				5/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	33.61005 µeq/L	Detected and Quantified	F	Actual				5/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	13.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/4/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	45.50782 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	16.14541 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	42.43822 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	13.07389 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	113.876 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		1/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	41.67245 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	7.94251 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	83.26551 µeq/L	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06042814090F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12 °C	Detected and Quantified	F	Actual				4/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: GRAYSON **Station ID:** BW03 **Visit Date:** 10/27/2005 9:15 AM
Visit Comment: LARRY PUCKETT // pH = 6.58 (used Ross electrode checked against 4.0 low ionic strength sample) //

Activity: 051027091501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.48	Detected and Quantified	F	Actual				11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	36.1665 µeq/L	Detected and Quantified	F	Actual				12/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	15.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	53.49037 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	20.40074 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	51.31007 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_Grab	11.74259 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	141.98 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	1/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	62.91952 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	15.85888 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	114.9854 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05102709150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4.2 °C	Detected and Quantified	F	Actual				10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: GRAYSON **Station ID:** BW03 **Visit Date:** 4/28/2006 1:37 PM
Visit Comment: LARRY PUCKETT // Field pH=6.27 Sample was green/brown colored. // Clear & sunny, 60's 1" rain on Wednesday

Activity: 060428133701 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.25	Detected and Quantified	F	Actual				5/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	16.72092 µeq/L	Detected and Quantified	F	Actual				5/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	12.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/4/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	36.608 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	13.52952 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	38.87188 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	11.61551 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	108.713 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	1/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	49.92703 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	8.66916 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	75.35761 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06042813370F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11 °C	Detected and Quantified	F	Actual				4/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

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Organization: University of Virginia non-NPS watersheds
Project ID: GRAYSON **Station ID:** BW04 **Visit Date:** 4/28/2006 12:52 PM
Visit Comment: LARRY PUCKETT // Field pH=6.36 Stream is green-brown colored. // Sunny & clear, 60's. 1" rain on Wednesday.

Activity: 060428125201 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.29	Detected and Quantified	F	Actual				5/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	19.4005 µeq/L	Detected and Quantified	F	Actual				5/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	12.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/4/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	40.00144 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	15.42424 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	39.45759 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	11.1457 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	109.128 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		1/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	3.63496 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	49.98763 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	8.93082 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC2_GRAB	81.95391 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06042812520F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10 °C	Detected and Quantified	F	Actual				4/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: GRAYSON **Station ID:** BW05 **Visit Date:** 4/28/2006 11:30 AM
Visit Comment: LARRY PUCKETT // Field pH=6.44 Stream is green-brown colored. // Sunny & clear, 60's. 1" rain on Wednesday.

Activity: 060428113001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.35	Detected and Quantified	F	Actual				5/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	23.6112 µeq/L	Detected and Quantified	F	Actual				5/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	12.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/4/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	37.77243 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	17.03683 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	42.96696 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	10.93404 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	113.876 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		1/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	3.03201 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	47.351 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	9.6603 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	83.65451 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06042811300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10 °C	Detected and Quantified	F	Actual				4/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: GRAYSON **Station ID:** BW06 **Visit Date:** 3/31/2006 10:15 AM
Visit Comment: LARRY PUCKETT // Green-brown color from organics. // Partly cloudy, warm Partly cloudy, warm

Activity: 060331101501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.4	Detected and Quantified	F	Actual				4/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	25.37283 µeq/L	Detected and Quantified	F	Actual				4/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	13.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/12/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	35.76336 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	17.68948 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	50.90108 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_Grab	10.37315 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	121.927 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	1/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	2.33484 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	49.64006 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	12.32387 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	89.6716 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06033110150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	5.9 °C	Detected and Quantified	F	Actual				3/31/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds

Project ID: GRAYSON **Station ID:** BW06 **Visit Date:** 4/28/2006 11:00 AM

Visit Comment: LARRY PUCKETT // Field pH=6.49 Stream is brown/green colored // Sunny & clear, 60's. 1" rain on Wednesday.

Activity: 060428110001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.41	Detected and Quantified	F	Actual				5/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	27.0176 µeq/L	Detected and Quantified	F	Actual				5/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	13.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/4/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	38.06116 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	18.83962 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	48.24842 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	11.35201 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	117.296 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	1/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	47.6149 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	13.73854 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	88.41154 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: University of Virginia non-NPS watersheds
Project ID: GRAYSON **Station ID:** BW06 **Visit Date:** 5/15/2006 11:30 AM
Visit Comment: LARRY PUCKETT // // Rain previous day

Activity: 060515113001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.57	Detected and Quantified	F	Actual				5/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	33.61005 µeq/L	Detected and Quantified	F	Actual				6/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	13 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/25/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	37.06317 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	2/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	17.64657 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	2/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	50.9327 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	2/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	11.23354 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	2/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	124.782 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	1/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	2/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	45.31163 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	2/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	12.01276 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	2/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	90.97494 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06051511300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8.4 °C	Detected and Quantified	F	Actual				5/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: GRAYSON **Station ID:** BW06 **Visit Date:** 8/14/2006 12:49 PM
Visit Comment: FORREST ATWOOD // Field pH: 6.65 // Partly cloudy, mid 70's

Activity: 060814124901 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.58	Detected and Quantified	F	Actual				8/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	41.166 µeq/L	Detected and Quantified	F	Actual				10/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	12.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/23/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	41.33368 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		2/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	17.41287 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		2/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	48.7405 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		2/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	9.52933 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		2/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	139.091 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		1/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		2/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	39.18528 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		2/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	10.08151 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		2/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC2_GRAB	90.47329 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06081412490F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	15.8 °C	Detected and Quantified	F	Actual				8/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: GRAYSON **Station ID:** CC02 **Visit Date:** 3/30/2006 3:30 PM
Visit Comment: LARRY PUCKETT // // Partly cloudy, warm Partly cloudy, warm

Activity: 060330153001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6	Detected and Quantified	F	Actual				4/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	9.40159 µeq/L	Detected and Quantified	F	Actual				4/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	15.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/12/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	46.82102 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	16.39069 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	46.46394 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	10.51821 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	112.216 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		1/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	35.60788 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	57.19243 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	14.06309 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	116.26499 µeq/L	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06033015300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6 °C	Detected and Quantified	F	Actual				3/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: GRAYSON **Station ID:** CC02 **Visit Date:** 4/28/2006 3:04 PM
Visit Comment: LARRY PUCKETT // Field pH=6.12. // Sunny & clear, 60's. 1" rain on Wednesday.

Activity: 060428150401 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.06	Detected and Quantified	F	Actual				5/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	9.51936 µeq/L	Detected and Quantified	F	Actual				5/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	15.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/4/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	50.12639 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	16.68064 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	43.46248 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_Grab	11.49763 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	107.883 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	1/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	4.76638 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	60.58459 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	12.13447 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	87.0048 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06042815040F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10 °C	Detected and Quantified	F	Actual				4/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: GRAYSON **Station ID:** CC02 **Visit Date:** 5/15/2006 9:45 AM
Visit Comment: LARRY PUCKETT // // Rain previous day

Activity: 060515094501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.28	Detected and Quantified	F	Actual				5/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	17.0186 µeq/L	Detected and Quantified	F	Actual				6/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	14.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/25/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	47.92166 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	2/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	15.92447 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	2/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	46.34984 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	2/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	10.68139 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	2/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	114.772 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	1/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	23.62562 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	2/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	57.97128 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	2/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	11.52776 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	2/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	110.14326 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06051509450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8 °C	Detected and Quantified	F	Actual				5/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: GRAYSON **Station ID:** CC02 **Visit Date:** 8/14/2006 3:50 PM
Visit Comment: FORREST ATWOOD // Field pH: 6.49 // Partly cloudy, mid 70's

Activity: 060814155001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.4	Detected and Quantified	F	Actual				8/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	23.66776 µeq/L	Detected and Quantified	F	Actual				10/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	14.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/23/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	49.75411 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		2/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	15.44599 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		2/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	48.28267 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		2/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	9.15162 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		2/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	128.252 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		1/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	10.40104 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		2/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	55.1275 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		2/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	11.13547 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		2/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC2_GRAB	100.33177 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06081415500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	14.5 °C	Detected and Quantified	F	Actual				8/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: GRAYSON **Station ID:** MC01 **Visit Date:** 3/31/2006 12:10 PM
Visit Comment: LARRY PUCKETT // // Partly cloudy, warm Partly cloudy, warm

Activity: 060331121001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.81	Detected and Quantified	F	Actual				4/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	110.36386 µeq/L	Detected and Quantified	F	Actual				4/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	28.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/12/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	116.8748 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	50.7611 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	81.51865 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	11.32282 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	150.263 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		1/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	11.15938 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	43.4114 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	44.36554 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	209.30018 µeq/L	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06033112100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9.6 °C	Detected and Quantified	F	Actual				3/31/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: GRAYSON **Station ID:** MC01 **Visit Date:** 4/28/2006 10:00 AM
Visit Comment: LARRY PUCKETT // Limed field in headwaters. Field pH=6.91. // Clear & mild, 60's. 1+" rain on Wednesday.

Activity: 060428100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.91	Detected and Quantified	F	Actual				5/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	85.36647 µeq/L	Detected and Quantified	F	Actual				5/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	29 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	118.41073 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	52.74347 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	75.10277 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_Grab	12.957 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	134.228 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	1/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	1.6273 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	47.12601 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	47.69655 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	181.81633 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06042810000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10 °C	Detected and Quantified	F	Actual				4/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: GRAYSON **Station ID:** MC01 **Visit Date:** 5/14/2006 11:30 AM
Visit Comment: LARRY PUCKETT // Liming in headwaters // Rainy with heavy rain previous night

Activity: 060514113001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.87	Detected and Quantified	F	Actual				5/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	130.36179 µeq/L	Detected and Quantified	F	Actual				6/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	28.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/25/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	123.28725 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	2/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	53.24064 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	2/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	79.489 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	2/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	12.01601 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	2/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	148.919 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	1/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	11.80644 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	2/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	43.44674 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	2/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	42.16275 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	2/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	227.77772 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06051411300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10.5 °C	Detected and Quantified	F	Actual				5/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: GRAYSON **Station ID:** MC01 **Visit Date:** 8/14/2006 11:47 AM
Visit Comment: FORREST ATWOOD // Field pH: 7.04 // Partly cloudy, low 70's

Activity: 060814114701 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.59	Detected and Quantified	F	Actual				8/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	196.092 µeq/L	Detected and Quantified	F	Actual				10/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	31.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/23/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	146.44656 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		2/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	60.83303 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		2/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	90.47946 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		2/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	13.10009 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		2/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	187.231 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		1/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	14.91758 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		2/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	43.66832 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		2/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	37.9368 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		2/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC2_GRAB	292.6147 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06081411470F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	16.2 °C	Detected and Quantified	F	Actual				8/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: GRAYSON **Station ID:** QB01 **Visit Date:** 10/27/2005 9:15 AM
Visit Comment: LARRY PUCKETT // pH = 6.57. (used Ross electrode checked against pH 4.0 low ionic strength sample). //

Activity: 051027091501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.52	Detected and Quantified	F	Actual				11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	38.66625 µeq/L	Detected and Quantified	F	Actual				12/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	13.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	38.64864 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	19.19197 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	50.74746 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	11.2772 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	136.9 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		1/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	48.58441 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	13.79808 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	101.08924 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05102709150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4 °C	Detected and Quantified	F	Actual				10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: GRAYSON **Station ID:** QB01 **Visit Date:** 3/31/2006 12:44 PM
Visit Comment: LARRY PUCKETT // // Partly cloudy, warm Partly cloudy, warm

Activity: 060331124401 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.33	Detected and Quantified	F	Actual				4/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	20.37337 µeq/L	Detected and Quantified	F	Actual				4/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	13.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/12/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	36.39544 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	17.03958 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	44.01245 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_Grab	10.18614 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	115.835 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	1/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	8.79307 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	49.313 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	10.27191 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	88.75135 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06033112440F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6.5 °C	Detected and Quantified	F	Actual				3/31/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: GRAYSON **Station ID:** QB01 **Visit Date:** 4/28/2006 1:22 PM
Visit Comment: LARRY PUCKETT // Field pH=6.31 // Sunny & clear, 60's. 1" rain on Wednesday.

Activity: 060428132201 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.32	Detected and Quantified	F	Actual				5/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	21.16801 µeq/L	Detected and Quantified	F	Actual				5/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	12.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/4/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	36.19073 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	16.69015 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	39.22278 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	10.45578 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	110.423 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	1/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	4.34237 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	48.54362 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	9.12494 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	83.17894 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06042813220F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10 °C	Detected and Quantified	F	Actual				4/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: GRAYSON **Station ID:** QB01 **Visit Date:** 5/14/2006 10:30 AM
Visit Comment: LARRY PUCKETT // // Rainy with heavy rain previous night

Activity: 060514103001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.48	Detected and Quantified	F	Actual				5/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	26.71969 µeq/L	Detected and Quantified	F	Actual				6/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	12.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/25/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	37.19298 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		2/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	16.99717 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		2/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	43.84021 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		2/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	10.3336 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		2/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	116.167 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		1/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	4.43962 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		2/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	44.75649 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		2/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	8.86265 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		2/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC2_GRAB	84.77845 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Activity: 060514103001 **Activity Type:** Quality Control Sample-Field Replicate **Activity Depth:** **Relative Depth:** **Replicate #:** 1
Custody ID: **Person(s):** **QC Sample?:** Yes

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.43	Detected and Quantified	F	Actual				5/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	27.87256 µeq/L	Detected and Quantified	F	Actual				6/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	13 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/25/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	38.14449 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		2/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	17.25481 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		2/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	43.89368 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		2/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	10.37108 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		2/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	115.818 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		1/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	3.78383 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		2/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	46.44311 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		2/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	8.92403 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		2/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC2_GRAB	87.02353 µeq/L	Detected and Quantified	F	Actual				3/19/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06051410300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8.6 °C	Detected and Quantified	F	Actual				5/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: GRAYSON **Station ID:** QB01 **Visit Date:** 8/14/2006 2:32 PM
Visit Comment: FORREST ATWOOD // Field pH: 6.49 // Partly cloudy, mid 70's

Activity: 060814143201 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.52	Detected and Quantified	F	Actual				8/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	36.05804 µeq/L	Detected and Quantified	F	Actual				10/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	12.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/23/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	41.1871 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		2/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	17.4561 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		2/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	45.76467 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		2/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	8.91813 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		2/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	134.842 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		1/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		2/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	40.13933 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	2/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	9.19531 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	2/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	85.43318 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06081414320F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	14.5 °C	Detected and Quantified	F	Actual				8/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: GRAYSON **Station ID:** VT04 **Visit Date:** 3/31/2006 9:30 AM
Visit Comment: LARRY PUCKETT // // Partly cloudy, warm Partly cloudy, warm

Activity: 060331093001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.4	Detected and Quantified	F	Actual				4/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	27.0176 µeq/L	Detected and Quantified	F	Actual				4/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	12.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/12/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	25.31911 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	16.52544 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	55.09467 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_Grab	9.55529 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	128.418 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	1/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	46.94299 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	11.01295 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	85.01404 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06033109300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	5.5 °C	Detected and Quantified	F	Actual				3/31/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: GRAYSON **Station ID:** VT04 **Visit Date:** 5/15/2006 11:15 AM
Visit Comment: LARRY PUCKETT // // Rain previous day

Activity: 060515111501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.57	Detected and Quantified	F	Actual				5/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	33.61005 µeq/L	Detected and Quantified	F	Actual				6/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	12.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/25/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	26.73723 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	2/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	16.75747 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	2/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	55.34137 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	2/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	10.90097 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	2/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	133.315 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	1/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	2/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	47.64194 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	2/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	10.10027 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	2/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	91.39276 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06051511150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8.4 °C	Detected and Quantified	F	Actual				5/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: GRAYSON **Station ID:** WB01 **Visit Date:** 3/31/2006 11:00 AM
Visit Comment: LARRY PUCKETT // State park campground on ridge and roads in headwaters. // Partly cloudy, warm Partly cloudy, warm

Activity: 060331110001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.44	Detected and Quantified	F	Actual				4/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	31.89915 µeq/L	Detected and Quantified	F	Actual				4/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	16.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/12/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	41.77968 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	23.68056 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	65.27113 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	11.63272 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	130.974 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		1/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	7.04444 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	46.96167 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	28.76024 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC2_GRAB	114.6655 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06033111000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6.6 °C	Detected and Quantified	F	Actual				3/31/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: GRAYSON **Station ID:** WB01 **Visit Date:** 4/28/2006 10:30 AM
Visit Comment: LARRY PUCKETT // Campground on ridge above. Field pH=6.48. // Sunny & clear, 60's. 1" rain on Wednesday.

Activity: 060428103001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.51	Detected and Quantified	F	Actual				5/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	32.0171 µeq/L	Detected and Quantified	F	Actual				5/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/4/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	43.94535 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	25.34048 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	60.55232 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	12.90046 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	122.06 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		1/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	7.0121 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		2/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	47.19576 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	29.34383 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		2/14/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	115.56879 µeq/L	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06042810300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9 °C	Detected and Quantified	F	Actual				4/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: GRAYSON **Station ID:** WB01 **Visit Date:** 5/15/2006 10:45 AM
Visit Comment: LARRY PUCKETT // // Rain previous day

Activity: 060515104501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.63	Detected and Quantified	F	Actual				5/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	42.87096 µeq/L	Detected and Quantified	F	Actual				6/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	16.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/25/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	43.96849 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		2/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	24.40523 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		2/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	65.80358 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		2/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_Grab	12.59825 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	2/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	134.477 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	1/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	4.42508 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	2/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	43.13484 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	2/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	29.80763 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	2/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	120.23851 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06051510450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8.3 °C	Detected and Quantified	F	Actual				5/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds

Project ID: GRAYSON **Station ID:** WB01 **Visit Date:** 8/14/2006 1:37 PM

Visit Comment: FORREST ATWOOD // Field pH: 6.61 // Partly cloudy, mid 70's

Activity: 060814133701 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.42	Detected and Quantified	F	Actual				8/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	65.31065 µeq/L	Detected and Quantified	F	Actual				10/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/23/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	50.36917 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	2/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	26.92608 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	2/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	71.7422 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	2/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	13.60735 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	2/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	159.592 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	1/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	0.50804 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	2/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	44.06938 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	2/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	27.29148 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	2/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	137.17955 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06081413370F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	15.8 °C	Detected and Quantified	F	Actual				8/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: NONE **Station ID:** SK01 **Visit Date:** 2/6/2005 3:25 PM
Visit Comment: RICK WEBB // // Clear, cold Clear, cold

Activity: 050206152501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.82	Detected and Quantified	F	Actual				2/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	95.3 µeq/L	Detected and Quantified	F	Actual				2/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	29.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/10/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	112.724 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	101.229 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	23.534 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	16.102 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	84.378 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.048.												
SO4_IC_Grab	129.75 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	14.044 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	253.589 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	239.1945 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.94324	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05020615250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	3 °C	Detected and Quantified	F	Actual				2/6/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: NONE **Station ID:** SK01 **Visit Date:** 5/3/2005 4:57 PM
Visit Comment: RICK WEBB // // Clear, warm Some rain

Activity: 050503165701 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.38	Detected and Quantified	F	Actual				5/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	98.7 µeq/L	Detected and Quantified	F	Actual				5/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	29.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/10/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	117.415 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	102.134 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	23.925 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	18.278 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	81.871 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N						
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N						
Result Comment: Reported value of 0.048.								
SO4_IC_Grab	133.099 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_IC_Grab	13.846 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_AA_GRAB	261.752 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC1_GRAB	245.7455 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC1_AA_GRAB	0.93885	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 05050316570F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9 °C	Detected and Quantified	F	Actual				5/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: NONE **Station ID:** SK01 **Visit Date:** 8/7/2005 6:15 PM
Visit Comment: RICK WEBB // // No rain Thundershowers

Activity: 050807181501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.64	Detected and Quantified	F	Actual				8/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	168.7 µeq/L	Detected and Quantified	F	Actual				8/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	34.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	8/12/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	143.413 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	123.615 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	27.622 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	22.605 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	100.247 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	0.853 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	115.669 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	13.508 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	317.255 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	298.73 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.94161	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05080718150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	15.5 °C	Detected and Quantified	F	Actual				8/7/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: NONE **Station ID:** SK01 **Visit Date:** 11/5/2005 5:00 PM
Visit Comment: RICK WEBB // Leaves on stream surface // Clear Clear

Activity: 051105170001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.34	Detected and Quantified	F	Actual				11/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	142.8036 µeq/L	Detected and Quantified	F	Actual				12/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	30.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/11/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	127.68366 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	114.38671 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	24.48168 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	19.13687 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	96.944 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	2.18249 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	4.41939 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	106.40325 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	13.93989 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	287.87141 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	267.56613 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.92946	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05110517000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9.5 °C	Detected and Quantified	F	Actual				11/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: NONE **Station ID:** SK01 **Visit Date:** 2/6/2006 4:15 PM
Visit Comment: RICK WEBB // // Cold Cold, light snow

Activity: 060206161501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.38	Detected and Quantified	F	Actual				2/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	96.71116 µeq/L	Detected and Quantified	F	Actual				2/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	30.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/15/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	122.07602 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	108.7236 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	26.44679 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	16.76556 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	81.888 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	1.15875 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	136.78042 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	14.84621 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	275.17072 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	248.37829 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.90263	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06020616150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4 °C	Detected and Quantified	F	Actual				2/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: NONE **Station ID:** SK01 **Visit Date:** 4/30/2006 4:00 PM
Visit Comment: RICK WEBB // // Warm, no rain Warm, some rain

Activity: 060430160001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.83	Detected and Quantified	F	Actual				5/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	125.36231 µeq/L	Detected and Quantified	F	Actual			5/11/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	31.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	5/3/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	129.37228 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	113.78202 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	26.20639 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	19.62892 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	85.905 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	129.97135 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	14.01224 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	288.99611 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	269.3864 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.93215	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06043016000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10.5 °C	Detected and Quantified	F	Actual				4/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: NONE **Station ID:** SK01 **Visit Date:** 8/6/2006 2:00 PM
Visit Comment: RICK WEBB // // Hot, dry Hot, dry

Activity: 060806140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.51	Detected and Quantified	F	Actual				8/16/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	178.54003 µeq/L	Detected and Quantified	F	Actual				8/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	33.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/16/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	146.65346 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	124.74704 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	25.916 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	22.6434 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	105.991 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/20/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_Grab	106.00238 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/20/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	13.69816 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/20/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	319.9664 µeq/L	Detected and Quantified	F	Actual			2/6/2008	
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	298.28107 µeq/L	Detected and Quantified	F	Actual			2/18/2008	
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.93223	Detected and Quantified	F	Actual			2/18/2008	
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06080614000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	17 °C	Detected and Quantified	F	Actual				8/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: NONE **Station ID:** SK01 **Visit Date:** 11/24/2006 11:15 AM
Visit Comment: RICK WEBB //
//Clear, high in 50's
Rain earlier in week

Activity: 061124111501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.7686	Detected and Quantified	F	Actual				11/29/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	98.83885 µeq/L	Detected and Quantified	F	Actual				11/29/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	29.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	11/29/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	113.1557 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	100.04647 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	23.60867 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	17.14247 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	86.752 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	129.4794 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	14.14243 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	253.95981 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	242.50118 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.95488	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06112411150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	7.5 °C	Detected and Quantified	F	Actual				11/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: NONE **Station ID:** SK02 **Visit Date:** 2/6/2005 3:40 PM
Visit Comment: RICK WEBB // // Clear, cold Clear, cold

Activity: 050206154001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.02	Detected and Quantified	F	Actual				2/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	145.3 µeq/L	Detected and Quantified	F	Actual				2/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	31.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/10/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	159.63 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	86.991 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	20.097 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	15.206 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	81.871 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.048.												
SO4_IC_Grab	104.582 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	14.1 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	281.924 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	264.0825 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.93672	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05020615400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	3 °C	Detected and Quantified	F	Actual				2/6/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: NONE **Station ID:** SK02 **Visit Date:** 5/3/2005 6:22 PM
Visit Comment: RICK WEBB // // Clear, warm Some rain

Activity: 050503182201 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.58	Detected and Quantified	F	Actual				5/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	151.9 µeq/L	Detected and Quantified	F	Actual				5/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	33.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/10/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	179.291 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	89.872 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	21.924 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	17.818 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	80.311 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N						
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N						
Result Comment: Reported value of 0.048.								
SO4_IC_Grab	118.893 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_IC_Grab	14.354 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_AA_GRAB	308.905 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC1_GRAB	285.2475 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC1_AA_GRAB	0.92341	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 05050318220F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9 °C	Detected and Quantified	F	Actual				5/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: NONE **Station ID:** SK02 **Visit Date:** 8/7/2005 6:45 PM
Visit Comment: RICK WEBB // // No rain Thundershowers

Activity: 050807184501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.64	Detected and Quantified	F	Actual				8/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	262.8 µeq/L	Detected and Quantified	F	Actual				8/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	40.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	8/12/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	225.298 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	116.701 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	23.621 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	22.886 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	101.044 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.016.							
SO4_IC_Grab	95.181 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	13.141 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	388.506 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	371.2225 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.95551	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05080718450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18.5 °C	Detected and Quantified	F	Actual				8/7/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: NONE **Station ID:** SK02 **Visit Date:** 11/5/2005 5:20 PM
Visit Comment: RICK WEBB // Leaves on stream surface // Clear Clear

Activity: 051105172001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.78	Detected and Quantified	F	Actual				11/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	253.58587 µeq/L	Detected and Quantified	F	Actual				12/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	36 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/11/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	208.97234 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	113.67938 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	21.14481 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	21.30009 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	98.936 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	73.28015 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	12.32205 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	365.10312 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	339.22857 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.92913	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05110517200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10.5 °C	Detected and Quantified	F	Actual				11/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: NONE **Station ID:** SK02 **Visit Date:** 2/6/2006 4:45 PM
Visit Comment: RICK WEBB // // Cold Cold, light snow

Activity: 060206164501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.46	Detected and Quantified	F	Actual				2/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	108.54875 µeq/L	Detected and Quantified	F	Actual				2/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	29.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/15/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	141.05176 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	89.37021 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	23.17771 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	16.00084 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	78.335 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	0.50782 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	120.29053 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	14.79474 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	270.10834 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	243.67452 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.90214	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06020616450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4 °C	Detected and Quantified	F	Actual				2/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: NONE **Station ID:** SK02 **Visit Date:** 4/30/2006 4:30 PM
Visit Comment: RICK WEBB // // Warm, no rain Warm, some rain

Activity: 060430163001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.02	Detected and Quantified	F	Actual				5/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	169.20257 µeq/L	Detected and Quantified	F	Actual			5/11/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	34.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	5/3/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	179.63798 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	100.26316 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	23.45986 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	19.21483 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	83.747 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	113.01754 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	14.28162 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	322.58233 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	296.54223 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.91928	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06043016300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	13 °C	Detected and Quantified	F	Actual				4/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: NONE **Station ID:** SK02 **Visit Date:** 8/6/2006 2:30 PM
Visit Comment: RICK WEBB // // Hot, dry Hot, dry

Activity: 060806143001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.72	Detected and Quantified	F	Actual				8/16/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	311.02413 µeq/L	Detected and Quantified	F	Actual				8/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	42.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/16/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	254.20274 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	128.26221 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	22.58526 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	24.53748 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	105.792 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	0.27152 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/20/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_Grab	79.99122 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/20/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	12.87506 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/20/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	429.85921 µeq/L	Detected and Quantified	F	Actual			2/6/2008	
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	403.93091 µeq/L	Detected and Quantified	F	Actual			2/18/2008	
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.93968	Detected and Quantified	F	Actual			2/18/2008	
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06080614300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	19 °C	Detected and Quantified	F	Actual				8/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: NONE **Station ID:** SK02 **Visit Date:** 11/24/2006 11:30 AM
Visit Comment: RICK WEBB //
//Clear, high in 50's
Rain earlier in week

Activity: 061124113001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.7011	Detected and Quantified	F	Actual				11/29/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	135.6253 µeq/L	Detected and Quantified	F	Actual				11/29/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	30 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	11/29/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	145.73041 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	87.47121 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	20.708 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	16.87285 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	82.236 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	112.6192 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	14.15066 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	270.78897 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	262.43566 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.96915	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06112411300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8 °C	Detected and Quantified	F	Actual				11/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** BR01 **Visit Date:** 4/6/2006 2:00 PM
Visit Comment: RICK WEBB // Stream was low with sections of no flow. White deposit on stream bed in many of the areas where there was no flow. //

Activity: 060406140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.77	Detected and Quantified	F	Actual				4/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	6.16952 µeq/L	Detected and Quantified	F	Actual				4/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	24.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/12/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	40.44759 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	55.96873 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	23.86379 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	57.2086 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	58.449 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	0.16381 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	144.4029 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	19.71512 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

T_AL_TC_Grab	17.549 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		4/12/2006
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	177.65252 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	170.32804 µeq/L	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.95877	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** DR01 **Visit Date:** 1/4/2005 12:20 PM

Visit Comment: SUSIE MABEN // // Unseasonably warm, partly cloudy Dry

Activity: 050104122001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.48	Detected and Quantified	F	Actual				1/6/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-0.6 µeq/L	Detected and Quantified	F	Actual				1/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/6/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	22.605 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	42.22 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	23.49 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	38.17 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	97.575 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		2/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	102.19 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	22.673 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	126.485 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	124.3635 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.98323	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 050104122002 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.018.												

Activity: 05010412200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10.8 °C	Detected and Quantified	F	Actual				1/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 1/11/2005 12:10 PM
Visit Comment: SUSIE MABEN // // Cloudy, warm Unseasonably warm, some rain

Activity: 050111121001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.52	Detected and Quantified	F	Actual				1/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-0.6 µeq/L	Detected and Quantified	F	Actual				1/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/13/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	22.605 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	43.208 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	23.751 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	36.915 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	96.479 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		2/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.064.												
SO4_IC_Grab	100.922 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	22.052 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	126.479 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	122.4745 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC1_AA_GRAB	0.96834	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Activity: 050111121002 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.111.												

Activity: 05011112100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8 °C	Detected and Quantified	F	Actual				1/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 1/18/2005 2:45 PM
Visit Comment: SUSIE MABEN // // Very cold, sunny Rain, then turned cold

Activity: 050118144501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.52	Detected and Quantified	F	Actual				1/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-0.6 µeq/L	Detected and Quantified	F	Actual				1/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/22/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_AA_Grab	23.952 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	44.113 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	22.402 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	38.81 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	93.475 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	2/23/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	103.792 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	21.799 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	129.277 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	125.0915 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.96762	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 050118144502 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.111.												

Activity: 05011814450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	3 °C	Detected and Quantified	F	Actual				1/18/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 1/25/2005 11:15 AM
Visit Comment: SUSIE MABEN // // Cold, mostly cloudy Snow, cold

Activity: 050125111501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.49	Detected and Quantified	F	Actual				1/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-0.6 µeq/L	Detected and Quantified	F	Actual				2/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/27/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	23.902 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	46.17 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	22.62 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	35.174 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	92.412 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		2/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	1.352 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_IC_Grab	102.461 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	21.714 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	8.78 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/11/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	127.866 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	124.927 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.97702	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 050125111502 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.111.												

Activity: 05012511150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	2.7 °C	Detected and Quantified	F	Actual				1/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 2/1/2005 10:50 AM
Visit Comment: SUSIE MABEN // // Clear, cool Cold, snow/sleet/freezing rain event

Activity: 050201105001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.53	Detected and Quantified	F	Actual				2/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-0.6 µeq/L	Detected and Quantified	F	Actual				2/23/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/2/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	24.551 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	46.582 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	22.664 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	33.92 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	91.549 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	1.143 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	102.669 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	21.94 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	127.717 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	125.152 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

IONRATIO_2PT_IC1_AA_GRAB	0.97992	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 050201105002 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.055.												

Activity: 05020110500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	2.8 °C	Detected and Quantified	F	Actual				2/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 2/8/2005 1:00 PM
Visit Comment: SUSIE MABEN, JOHN MABEN // // Warm, mostly sunny A little mixed precip., cool

Activity: 050208130001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.45	Detected and Quantified	F	Actual				2/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-0.6 µeq/L	Detected and Quantified	F	Actual				2/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/10/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	24.152 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_AA_Grab	44.607 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	23.49 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	35.123 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	92.495 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.193.							
SO4_IC_Grab	102.17 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	22.363 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	127.372 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	124.0335 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.97379	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 050208130002 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.055.												

Activity: 05020813000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	7.2 °C	Detected and Quantified	F	Actual				2/8/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 2/15/2005 11:10 AM
Visit Comment: SUSIE MABEN // // Mostly sunny, warm Mild, a little rain

Activity: 050215111001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.49	Detected and Quantified	F	Actual				2/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-0.6 µeq/L	Detected and Quantified	F	Actual				2/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/17/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	24.251 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	43.372 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	24.099 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	35.379 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	92.263 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	0.966 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_IC_Grab	101.275 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	23.378 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	127.101 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	125.019 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.98362	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 050215111002 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.008.												

Activity: 05021511100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	5 °C	Detected and Quantified	F	Actual				2/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 2/22/2005 12:50 PM
Visit Comment: SUSIE MABEN // // Mild, clouds east of Blue Ridge Rain 2/21/05

Activity: 050222125001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.51	Detected and Quantified	F	Actual				2/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-0.6 µeq/L	Detected and Quantified	F	Actual				3/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/24/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	23.253 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	43.29 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	24.012 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	36.147 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	93.209 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	0.966 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	100.672 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	22.955 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	126.702 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	123.993 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

IONRATIO_2PT_IC1_AA_GRAB	0.97862	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 050222125002 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.166.												

Activity: 05022212500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6.5 °C	Detected and Quantified	F	Actual				2/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 3/1/2005 10:55 AM
Visit Comment: SUSIE MABEN // // Cold, partly sunny 2 snow events, cold

Activity: 050301105501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.52	Detected and Quantified	F	Actual				3/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	0.8 µeq/L	Detected and Quantified	F	Actual				3/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/3/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	22.106 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_AA_Grab	42.467 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	22.881 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	34.509 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	89.076 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	1.127 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	97.677 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	20.755 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	121.963 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	120.359 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.98685	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 050301105502 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Result Comment: Reported value of 0.055.

Activity: 05030110550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	2 °C	Detected and Quantified	F	Actual				3/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 3/8/2005 10:30 AM
Visit Comment: SUSIE MABEN // // Drastic temp. drop, AM rain turned to snow, then clearing, windy & cold. Wintry mix precip. events, warm yesterday.

Activity: 050308103001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.5	Detected and Quantified	F	Actual				3/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	1.2 µeq/L	Detected and Quantified	F	Actual				3/14/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/10/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	26.547 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	43.043 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	22.359 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	41.728 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	89.208 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.048.												

SO4_IC_Grab	101.026 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	20.642 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	133.677 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	122.9685 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.91989	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 050308103002 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.111.												

Activity: 05030810300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4.7 °C	Detected and Quantified	F	Actual				3/8/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 3/15/2005 10:15 AM
Visit Comment: SUSIE MABEN // // Sunny, cool Cool, some mixed precip.

Activity: 050315101501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.48	Detected and Quantified	F	Actual				3/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-0.6 µeq/L	Detected and Quantified	F	Actual				3/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/17/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	23.852 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	44.03 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	22.228 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	37.35 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	88.727 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Present <QL	*Present <QL	F	Actual	0.201 ueq/L	0.639 ueq/L		11/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.435.												
SO4_IC_Grab	103.147 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	20.812 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	127.46 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	123.779 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.97112	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 050315101502 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of -0.055.												

Activity: 05031510150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4.8 °C	Detected and Quantified	F	Actual				3/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 3/22/2005 1:00 PM
Visit Comment: SUSIE MABEN, JOHN MABEN // // Mostly sunny Dry

Activity: 050322130001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.5	Detected and Quantified	F	Actual				3/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	0.3 µeq/L	Detected and Quantified	F	Actual				3/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/24/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_AA_Grab	23.303 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	42.714 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	22.707 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	37.402 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	90.121 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	102.794 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	21.488 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	126.126 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	124.6825 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.98856	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 050322130002 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.111.												

Activity: 05032213000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8 °C	Detected and Quantified	F	Actual				3/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 3/29/2005 1:00 PM
Visit Comment: SUSIE MABEN, DOUG TOBIAS // // Warm, clearing to sunny Rain, cool

Activity: 050329130001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.5	Detected and Quantified	F	Actual				3/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	1.9 µeq/L	Detected and Quantified	F	Actual				4/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/31/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	21.008 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	39.422 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	22.359 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	43.853 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	89.358 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Present <QL	*Present <QL	F	Actual	0.201 ueq/L	0.639 ueq/L		11/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.483.												

SO4_IC_Grab	99.091 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	20.389 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	126.642 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	121.8 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.96177	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 050329130002 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.055.												

Activity: 05032913000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10.3 °C	Detected and Quantified	F	Actual				3/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

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Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 4/5/2005 12:15 PM
Visit Comment: DOUG TOBIAS, SUSIE MABEN // // Warm, sunny Precip. over weekend

Activity: 050405121501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.5	Detected and Quantified	F	Actual				4/7/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-0.6 µeq/L	Detected and Quantified	F	Actual				4/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/7/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	22.754 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	42.055 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	22.838 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	41.139 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	90.487 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		11/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.048.												
SO4_IC_Grab	103.272 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	21.319 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	128.786 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	124.0915 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.96355	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 050405121502 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.055.												

Activity: 05040512150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9.8 °C	Detected and Quantified	F	Actual				4/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 4/12/2005 1:30 PM
Visit Comment: DOUGLAS TOBIAS // // Cold, cloudy, some sprinkles Moderate temps., some rain

Activity: 050412133001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.52	Detected and Quantified	F	Actual				4/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-1.4 µeq/L	Detected and Quantified	F	Actual				4/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/13/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_AA_Grab	23.353 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	41.808 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	23.751 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	40.192 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	92.097 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.064.							
SO4_IC_Grab	103.189 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	21.799 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	129.104 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	123.6885 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.95805	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 050412133002 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.111.												

Activity: 05041213300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9.8 °C	Detected and Quantified	F	Actual				4/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 4/19/2005 12:25 PM
Visit Comment: DOUGLAS TOBIAS // // Warm, some rain Warm, mostly clear

Activity: 050419122501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.52	Detected and Quantified	F	Actual				4/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-1.4 µeq/L	Detected and Quantified	F	Actual				4/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/21/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	23.104 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	40.738 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	24.36 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	40.422 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	91.947 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.064.												

SO4_IC_Grab	102.378 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	22.222 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	128.624 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	123.3005 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.95861	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 050419122502 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.166.												

Activity: 05041912250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12 °C	Detected and Quantified	F	Actual				4/19/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 4/26/2005 9:00 AM
Visit Comment: DOUGLAS TOBIAS // // Cool, partly cloudy, windy Cool, some rain & thunder

Activity: 050426090001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.57	Detected and Quantified	F	Actual				4/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	2.8 µeq/L	Detected and Quantified	F	Actual				5/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/27/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	22.056 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	39.586 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	24.316 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	41.472 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	91.117 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.048.												
SO4_IC_Grab	99.403 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	21.686 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_Grab	24.802 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		4/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_AA_GRAB	127.43 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	123.9895 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.973	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 050426090002 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.111.												

Activity: 05042609000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8.8 °C	Detected and Quantified	F	Actual				4/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 5/3/2005 11:05 AM
Visit Comment: DOUGLAS TOBIAS // // Cool, partly cloudy Warm, partly cloudy, scattered rain showers

Activity: 050503110501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.6	Detected and Quantified	F	Actual				5/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	1.9 µeq/L	Detected and Quantified	F	Actual				5/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	18 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	5/4/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	20.808 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	39.257 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	23.664 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	41.267 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	90.719 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.032.							
SO4_IC_Grab	98.218 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	21.517 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	124.996 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	121.7355 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.97392	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 050503110502 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of -0.017.												

Activity: 05050311050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8.8 °C	Detected and Quantified	F	Actual				5/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 5/10/2005 8:10 AM
Visit Comment: DOUGLAS TOBIAS // // Warm, cloudy Cool to warm, partly cloudy

Activity: 050510081001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.66	Detected and Quantified	F	Actual				5/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	2.9 µeq/L	Detected and Quantified	F	Actual				5/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/12/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	20.758 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	38.763 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	23.621 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	42.061 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	90.669 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		11/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.048.												

SO4_IC_Grab	98.363 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	22.165 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	125.203 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	123.5285 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.98663	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 050510081002 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.111.												

Activity: 05051008100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11 °C	Detected and Quantified	F	Actual				5/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 5/17/2005 1:55 PM
Visit Comment: DOUGLAS TOBIAS, SUSIE MABEN // // Cool, partly cloudy Thunderstorms over weekend, warm

Activity: 050517135501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.62	Detected and Quantified	F	Actual				5/19/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	0.001 µeq/L	Detected and Quantified	F	Actual				5/19/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/19/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	20.259 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	37.858 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	25.143 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	43.085 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	94.969 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Present <QL	*Present <QL	F	Actual	0.201 ueq/L	0.639 ueq/L		11/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.467.												
SO4_IC_Grab	97.136 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	22.983 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	126.345 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	120.54 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.95405	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 050517135502 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of -0.111.												

Activity: 05051713550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	13 °C	Detected and Quantified	F	Actual				5/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 5/24/2005 1:40 PM
Visit Comment: DOUGLAS TOBIAS // // Cool, cloudy, light rain Cool, partly cloudy, some heavy rain, and thunder

Activity: 050524134001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.6	Detected and Quantified	F	Actual				5/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	2.9 µeq/L	Detected and Quantified	F	Actual				5/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/26/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_AA_Grab	21.357 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	39.257 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	24.708 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	42.675 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	93.259 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	1.884 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	96.013 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	22.363 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	127.997 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	123.16 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.96221	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 050524134002 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Result Comment: Reported value of -0.018.

Activity: 05052413400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12 °C	Detected and Quantified	F	Actual				5/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 5/31/2005 2:15 PM
Visit Comment: DOUGLAS TOBIAS // // Cool, partly cloudy Cool, partly cloudy, some light rain

Activity: 050531141501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.56	Detected and Quantified	F	Actual				6/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	3.6 µeq/L	Detected and Quantified	F	Actual				6/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		6/2/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	21.507 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	39.092 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	25.23 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	42.086 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	97.973 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	2.592 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_IC_Grab	94.702 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	23.18 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	127.915 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	124.074 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.96997	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 050531141502 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.055.												

Activity: 05053114150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	14.4 °C	Detected and Quantified	F	Actual				5/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 6/7/2005 11:05 AM
Visit Comment: DOUGLAS TOBIAS // // Hot, partly cloudy Cool, cloudy, rain

Activity: 050607110501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.57	Detected and Quantified	F	Actual				6/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	3.6 µeq/L	Detected and Quantified	F	Actual				6/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		6/9/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	20.459 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	38.516 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	25.274 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	42.701 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	102.837 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	4.202 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	93.038 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	23.773 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	126.95 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	124.613 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

IONRATIO_2PT_IC1_AA_GRAB	0.98159	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 050607110502 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.013.												

Activity: 05060711050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	17.3 °C	Detected and Quantified	F	Actual				6/7/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 6/14/2005 7:50 AM
Visit Comment: DOUGLAS TOBIAS // Stream flow is very low. // Hot, mostly sunny Hot, partly cloudy, some brief rain and thunder storms

Activity: 050614075001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.54	Detected and Quantified	F	Actual				6/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	5.4 µeq/L	Detected and Quantified	F	Actual				6/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		6/16/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	21.307 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_AA_Grab	38.763 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	25.534 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	43.29 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	107.9 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	8.581 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	90.875 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	25.211 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	128.894 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	130.067 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	1.0091	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 050614075002 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Result Comment: Reported value of 0.222.

Activity: 05061407500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18 °C	Detected and Quantified	F	Actual				6/14/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 6/21/2005 11:10 AM
Visit Comment: DOUGLAS TOBIAS // // Cool, cloudy Cool to warm, partly cloudy

Activity: 050621111001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.55	Detected and Quantified	F	Actual				6/23/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	3.6 µeq/L	Detected and Quantified	F	Actual				6/23/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		6/23/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	21.706 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	39.586 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	26.492 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	41.933 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	106.472 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	7.744 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_IC_Grab	89.066 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	25.126 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	129.717 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	125.536 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.96777	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 050621111002 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.111.												

Activity: 05062111100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	16.3 °C	Detected and Quantified	F	Actual				6/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** DR01 **Visit Date:** 6/28/2005 7:35 AM

Visit Comment: DOUGLAS TOBIAS, CHRIS MOORE // Almost no flow. Dams still there. // Clear, dry, warm Hot, dry, partly cloudy

Activity: 050628073501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.45	Detected and Quantified	F	Actual				7/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	9.5 µeq/L	Detected and Quantified	F	Actual				7/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/11/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	20.559 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	39.669 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	29.841 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	44.493 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	110.075 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	6.714 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	87.755 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	29.215 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	134.562 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	133.184 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

IONRATIO_2PT_IC1_AA_GRAB	0.98976	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 050628073502 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.166.												

Activity: 05062807350F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18.5 °C	Detected and Quantified	F	Actual				6/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 7/5/2005 8:20 AM
Visit Comment: CHRIS MOORE, ALLEN SMITH // // Cloudy, warm Hot, scattered T-storms

Activity: 050705082001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.44	Detected and Quantified	F	Actual				7/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	5.4 µeq/L	Detected and Quantified	F	Actual				7/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/11/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	20.659 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_AA_Grab	37.529 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	26.622 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	43.29 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	107.95 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.032.							
SO4_IC_Grab	85.842 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	26.339 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	128.1 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	117.6815 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.91867	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 050705082002 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.111.												

Activity: 05070508200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	19 °C	Detected and Quantified	F	Actual				7/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 7/12/2005 7:45 AM
Visit Comment: CHRIS MOORE // // Clear, cool Hot, storms, flash flooding

Activity: 050712074501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.49	Detected and Quantified	F	Actual				7/14/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	1.9 µeq/L	Detected and Quantified	F	Actual				7/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/14/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	21.457 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	37.858 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	26.709 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	43.162 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	108.547 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	4.717 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_IC_Grab	88.837 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_IC_Grab	24.731 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_AA_GRAB	129.186 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC1_GRAB	120.185 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC1_AA_GRAB	0.93033	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 050712074502 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of -0.055.												

Activity: 05071207450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	19 °C	Detected and Quantified	F	Actual				7/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 7/19/2005 7:30 AM
Visit Comment: CHRIS MOORE // // Warm, humid Hot, humid, dry

Activity: 050719073001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.54	Detected and Quantified	F	Actual				7/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	6.1 µeq/L	Detected and Quantified	F	Actual				8/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/21/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	21.257 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	37.858 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	28.362 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	44.032 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	112.98 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	0.692 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	85.53 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	28.144 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	131.509 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	120.466 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

IONRATIO_2PT_IC1_AA_GRAB	0.91603	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 050719073002 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.008.												

Activity: 05071907300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	20.5 °C	Detected and Quantified	F	Actual				7/19/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 7/26/2005 7:05 AM
Visit Comment: CHRIS MOORE // // Clear, warm Hot, humid, dry

Activity: 050726070501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.52	Detected and Quantified	F	Actual				7/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	5.3 µeq/L	Detected and Quantified	F	Actual				8/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/28/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	20.858 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_AA_Grab	37.035 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	27.884 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	42.854 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	113.029 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	4.331 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	85.197 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	26.48 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	19.07 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/26/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	128.631 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	121.308 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.94307	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 050726070502 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.222.												

Activity: 05072607050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	20 °C	Detected and Quantified	F	Actual				7/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 8/2/2005 7:30 AM
Visit Comment: CHRIS MOORE // // Warm, clear Hot, dry

Activity: 050802073001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.44	Detected and Quantified	F	Actual				8/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	3.6 µeq/L	Detected and Quantified	F	Actual				8/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/5/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	20.459 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	37.282 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	27.188 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	42.726 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	111.419 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	5.136 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_IC_Grab	83.574 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	25.267 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	127.655 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	117.577 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.92105	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 050802073002 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.277.												

Activity: 05080207300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	20 °C	Detected and Quantified	F	Actual				8/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 8/10/2005 9:30 AM
Visit Comment: CHRIS MOORE // // Clear, warm Hot, scattered T-storms

Activity: 050810093001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.45	Detected and Quantified	F	Actual				8/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	10.3 µeq/L	Detected and Quantified	F	Actual				8/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/12/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	20.21 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	37.611 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	29.276 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	41.318 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	113.129 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.016.												
SO4_IC_Grab	82.451 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	29.356 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	128.415 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	122.2075 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.95166	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 050810093002 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.055.												

Activity: 05081009300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	20 °C	Detected and Quantified	F	Actual				8/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 8/16/2005 1:25 PM
Visit Comment: CHRIS MOORE // // Cloudy, warm Hot, scattered T-storms

Activity: 050816132501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.4	Detected and Quantified	F	Actual				8/18/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	11.9 µeq/L	Detected and Quantified	F	Actual				8/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	21 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/18/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_AA_Grab	24.551 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	42.22 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	31.581 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	45.952 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	116.798 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	12.397 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	82.222 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	31.697 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	144.304 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	138.216 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.95781	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 050816132502 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Present <QL	*Present <QL	F	Actual	0.42 ueq/L	1.336 ueq/L		9/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Result Comment: Reported value of 0.665.

Activity: 05081613250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	22 °C	Detected and Quantified	F	Actual				8/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 8/23/2005 10:20 AM
Visit Comment: SUSIE MABEN // Low flow - hard to find spot to take sample deep enough with flowing water // Mostly cloudy, warm Hot, humid, scattered thunderstorms

Activity: 050823102001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.48	Detected and Quantified	F	Actual				8/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	5.3 µeq/L	Detected and Quantified	F	Actual				8/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/26/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	22.106 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	37.776 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	25.97 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	41.088 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	113.61 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	3.944 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_IC_Grab	84.573 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	24.478 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	126.94 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	118.295 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.9319	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 050823102002 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of -0.024.												

Activity: 05082310200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	19 °C	Detected and Quantified	F	Actual				8/23/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 8/30/2005 11:00 AM
Visit Comment: SUSIE MABEN // Low flow // Mostly cloudy, some light rain Hot and humid

Activity: 050830110001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.49	Detected and Quantified	F	Actual				9/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	7.8 µeq/L	Detected and Quantified	F	Actual				9/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/1/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	21.407 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	37.282 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	25.143 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	39.91 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	112.266 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	3.204 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	83.886 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	25.69 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	123.742 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	120.58 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

IONRATIO_2PT_IC1_AA_GRAB	0.97445	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 050830110002 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.055.												

Activity: 05083011000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	20 °C	Detected and Quantified	F	Actual				8/30/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 9/6/2005 2:45 PM
Visit Comment: SUSIE MABEN // Stream very low - almost no flow // Warm, mostly sunny Fair, little rain

Activity: 050906144501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.43	Detected and Quantified	F	Actual				9/8/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	17.5 µeq/L	Detected and Quantified	F	Actual				9/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/8/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	28.144 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_AA_Grab	43.043 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	26.796 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	40.96 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	113.544 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	2.19 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	81.973 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	25.831 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	138.943 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	127.494 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.9176	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 050906144502 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Result Comment: Reported value of 0.222.

Activity: 05090614450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18.5 °C	Detected and Quantified	F	Actual				9/6/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 10/11/2005 10:50 AM
Visit Comment: SUSIE MABEN // // Cloudy, rain at times Heavy rain over weekend, warm

Activity: 051011105001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.43	Detected and Quantified	F	Actual				10/20/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	2.81649 µeq/L	Detected and Quantified	F	Actual				10/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/20/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	21.28482 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	38.19333 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	24.4231 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	46.25081 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	104.497 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/5/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_Grab	95.69892 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	22.50428 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	130.15856 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	121.06019 µeq/L	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.9301	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 05101110500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	15.8 °C	Detected and Quantified	F	Actual				10/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** DR01 **Visit Date:** 10/18/2005 11:55 AM

Visit Comment: SUSIE MABEN // // Warm, mostly sunny Dry, cool nights, warm days

Activity: 051018115501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.53	Detected and Quantified	F	Actual				10/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	1.17003 µeq/L	Detected and Quantified	F	Actual				11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/21/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	21.99016 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	40.96029 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	25.10061 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	41.95545 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	106.389 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/5/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	94.34821 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	22.94583 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	130.01301 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	118.50457 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.91148	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05101811550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	13.7 °C	Detected and Quantified	F	Actual				10/18/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 10/25/2005 11:00 AM
Visit Comment: SUSIE MABEN // // Light rain, cool Occasional rain and clouds

Activity: 051025110001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.48	Detected and Quantified	F	Actual				10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	2.81649 µeq/L	Detected and Quantified	F	Actual				11/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	20.65992 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	40.63834 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	23.6407 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	40.98552 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	97.276 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/5/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	91.298 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	22.59006 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_Grab	22.634 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		5/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	125.93098 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC2_GRAB	116.74505 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.92706	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05102511000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10 °C	Detected and Quantified	F	Actual				10/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 11/1/2005 10:50 AM
Visit Comment: SUSIE MABEN // // Warm, clear Cool nights, warm days, dry

Activity: 051101105001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.48	Detected and Quantified	F	Actual				11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	2.87526 µeq/L	Detected and Quantified	F	Actual				12/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	19.71154 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	42.36792 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	25.22411 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_Grab	41.68119 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	102.837 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	99.55548 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	22.01525 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	128.99126 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	124.48649 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.96508	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05110110500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10 °C	Detected and Quantified	F	Actual				11/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 11/8/2005 12:15 PM
Visit Comment: SUSIE MABEN // // Mix of sun, clouds and rain Warm, dry

Activity: 051108121501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.54	Detected and Quantified	F	Actual				11/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	7.01961 µeq/L	Detected and Quantified	F	Actual				12/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/11/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	22.06874 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	44.60946 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	25.17012 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	45.96185 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	105.974 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	0.82101 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	99.5491 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	24.69993 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	138.63118 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	131.30914 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.94718	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05110812150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11.2 °C	Detected and Quantified	F	Actual				11/8/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 11/15/2005 1:00 PM
Visit Comment: SUSIE MABEN // // Warm, partly to mostly cloudy, some sun Mild, some precip.

Activity: 051115130001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.53	Detected and Quantified	F	Actual				11/18/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	7.01961 µeq/L	Detected and Quantified	F	Actual				12/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/18/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	20.22069 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	36.02282 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	26.74498 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	44.70899 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	106.157 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	98.73679 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	24.69354 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	127.70398 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	130.49044 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	1.02182	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05111513000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11.8 °C	Detected and Quantified	F	Actual				11/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 11/22/2005 10:40 AM
Visit Comment: SUSIE MABEN // // Rain, then clearing, cold & breezy Fall-like

Activity: 051122104001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.52	Detected and Quantified	F	Actual				11/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	2.81649 µeq/L	Detected and Quantified	F	Actual			12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	20.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	11/28/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	21.56455 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	38.07759 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	23.00011 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	52.22776 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	94.852 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	0.8301 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	105.10652 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	24.62395 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	134.87651 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	133.37706 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.98888	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05112210400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8 °C	Detected and Quantified	F	Actual				11/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 11/29/2005 11:00 AM
Visit Comment: SUSIE MABEN // Stream high: water murky and carrying leaves and debris. // Rain heavy at times, windy, mild Some precip., fall-like

Activity: 051129110001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.42	Detected and Quantified	F	Actual				11/30/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	2.87526 µeq/L	Detected and Quantified	F	Actual				1/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	22.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/30/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	27.79389 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	49.58715 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	21.48492 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	59.33269 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	94.421 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_Grab	101.55831 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	33.25264 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	158.20515 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	137.72671 µeq/L	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.87056	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 05112911000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11 °C	Detected and Quantified	F	Actual				11/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** DR01 **Visit Date:** 12/6/2005 11:40 AM

Visit Comment: SUSIE MABEN // // Cold, partly sunny Snow 12/5, large precip. event last week

Activity: 051206114001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.44	Detected and Quantified	F	Actual				12/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-1.32972 µeq/L	Detected and Quantified	F	Actual				1/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		12/10/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	26.95053 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	50.12326 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	22.44505 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	39.97297 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	93.773 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	109.7889 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	25.54949 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	139.49831 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	134.04917 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.96094	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05120611400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	5.2 °C	Detected and Quantified	F	Actual				12/6/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 12/13/2005 12:55 PM
Visit Comment: CHRIS MOORE // // Cold, clear Cold, snow

Activity: 051213125501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.51	Detected and Quantified	F	Actual				1/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	1.85389 µeq/L	Detected and Quantified	F	Actual				1/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/4/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	27.06833 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	50.45916 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	23.42249 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	38.06458 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	94.437 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	0.10535 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	107.09736 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	25.16988 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	139.11991 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	134.16163 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.96436	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05121312550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	3 °C	Detected and Quantified	F	Actual				12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 12/21/2005 12:10 PM
Visit Comment: CHRIS MOORE // // Clear, cold, icy Clear, cold, icy

Activity: 051221121001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.49	Detected and Quantified	F	Actual				1/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	2.81649 µeq/L	Detected and Quantified	F	Actual				1/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/4/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	26.10641 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	50.64905 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	23.89542 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	37.95759 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	95.4 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	0.14959 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	107.55803 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	24.55198 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	138.75806 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	134.967 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.97268	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05122112100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	1 °C	Detected and Quantified	F	Actual				12/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 12/28/2005 11:10 AM
Visit Comment: CHRIS MOORE // // Clear, cool Clear, cool

Activity: 051228111001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.5	Detected and Quantified	F	Actual				1/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	0.31673 µeq/L	Detected and Quantified	F	Actual			1/11/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	19.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	1/5/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	24.97297 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	48.47426 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	23.5375 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	39.97158 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	95.035 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	106.59939 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	23.3076 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	136.96281 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	130.26422 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.95109	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05122811100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4.5 °C	Detected and Quantified	F	Actual				12/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 1/3/2006 11:40 AM
Visit Comment: CHRIS MOORE // // Light rain, warm Scattered showers, warm

Activity: 060103114001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.5	Detected and Quantified	F	Actual				1/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	0.31673 µeq/L	Detected and Quantified	F	Actual				1/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/5/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	23.27651 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	45.51357 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	22.41278 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	39.98474 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	92.794 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_Grab	102.20768 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	22.06516 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	131.1941 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	124.63007 µeq/L	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.94997	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06010311400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	5.5 °C	Detected and Quantified	F	Actual				1/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** DR01 **Visit Date:** 1/11/2006 9:45 AM

Visit Comment: CHRIS MOORE // // Cloudy, warm Cloudy, warm

Activity: 060111094501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.52	Detected and Quantified	F	Actual				1/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	1.1138 µeq/L	Detected and Quantified	F	Actual				2/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/13/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	24.003 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	45.8343 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	23.12989 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	39.19775 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	90.985 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	103.6223 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	22.77986 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	132.17144 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	127.55646 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.96508	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06011109450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6 °C	Detected and Quantified	F	Actual				1/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 1/17/2006 11:25 AM
Visit Comment: SUSIE MABEN // // Cold, cloudy, occasional sprinkles Cool, some rain

Activity: 060117112501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.53	Detected and Quantified	F	Actual				1/22/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-0.47963 µeq/L	Detected and Quantified	F	Actual				2/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/22/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	23.09249 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	45.69218 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	22.6251 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	42.07555 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	90.453 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	103.96816 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	22.73032 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	133.49182 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	126.25935 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.94582	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06011711250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	5 °C	Detected and Quantified	F	Actual				1/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 1/24/2006 11:10 AM
Visit Comment: SUSIE MABEN // // Foggy and misting, then clear and sunny Cool, some rainy days

Activity: 060124111001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.55	Detected and Quantified	F	Actual				2/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	0.31673 µeq/L	Detected and Quantified	F	Actual				2/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	23.92331 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	46.50473 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	22.99193 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	41.2878 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	89.69 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	0.16865 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	106.2336 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	23.23062 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	134.87642 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	129.82145 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.96252	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06012411100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6 °C	Detected and Quantified	F	Actual				1/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** DR01 **Visit Date:** 1/31/2006 12:40 PM

Visit Comment: SUSIE MABEN // // Windy, cool Some light precip.

Activity: 060131124001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.47	Detected and Quantified	F	Actual				2/7/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	-0.64589 µeq/L	Detected and Quantified	F	Actual			2/14/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	19.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	2/7/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	24.33782 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	46.52091 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	23.46183 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	39.33364 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	89.823 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	0.16834 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	106.14571 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	23.57066 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	29.454 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	5/24/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	133.82254 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	129.11098 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.96479	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06013112400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6.5 °C	Detected and Quantified	F	Actual				1/31/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 2/7/2006 11:00 AM
Visit Comment: FAD // // Clear, cold, windy Some rain

Activity: 060207110001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.53	Detected and Quantified	F	Actual				2/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-0.59733 µeq/L	Detected and Quantified	F	Actual				2/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/8/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	24.38683 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	46.63072 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	23.17129 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	38.3292 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	87.831 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_Grab	103.97493 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	22.75693 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	132.52454 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	126.17503 µeq/L	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.95209	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06020711000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	3.5 °C	Detected and Quantified	F	Actual				2/7/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** DR01 **Visit Date:** 2/14/2006 11:30 AM

Visit Comment: FAD // // clear, cold significant snow

Activity: 060214113001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.48	Detected and Quantified	F	Actual				2/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	0.31673 µeq/L	Detected and Quantified	F	Actual				2/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/15/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	22.51938 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	44.72713 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	22.38588 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	34.77799 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	85.141 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	0.88102 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	103.92087 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	23.59487 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	124.41688 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	128.71349 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	1.03453	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06021411300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	2.5 °C	Detected and Quantified	F	Actual				2/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 2/20/2006 3:10 PM
Visit Comment: FAD // // clear, cold cold

Activity: 060220151001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.5	Detected and Quantified	F	Actual				2/21/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	1.17003 µeq/L	Detected and Quantified	F	Actual				2/21/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/21/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	22.56775 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	44.53064 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	22.92253 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	37.37912 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	85.141 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	102.82341 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	21.99996 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	127.40654 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	126.0339 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.98923	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06022015100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4.5 °C	Detected and Quantified	F	Actual				2/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 2/28/2006 10:55 AM
Visit Comment: SUSIE MABEN // Forgot 250 ml bottle for ammonium // Mostly sunny, warm Clouds & sun, some precip.

Activity: 060228105501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.5	Detected and Quantified	F	Actual				3/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-0.59733 µeq/L	Detected and Quantified	F	Actual				3/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/1/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	22.91897 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	45.49389 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	23.52207 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	36.33009 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	84.793 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	0.94501 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	105.11103 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	23.47247 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	128.27152 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	128.93118 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	1.00514	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06022810550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4 °C	Detected and Quantified	F	Actual				2/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** DR01 **Visit Date:** 3/7/2006 12:00 PM

Visit Comment: SUSIE MABEN // // Sunny, cold Mostly sunny, cool, little precip.

Activity: 060307120001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.52	Detected and Quantified	F	Actual				3/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	-0.59733 µeq/L	Detected and Quantified	F	Actual			3/8/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	18.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	3/8/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	23.06503 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	45.31456 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	23.84502 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	36.40166 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	84.428 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	104.1275 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	22.98256 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	128.63277 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	126.55323 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.98383	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06030712000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	5.5 °C	Detected and Quantified	F	Actual				3/7/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 3/14/2006 10:45 AM
Visit Comment: FAD // // clear, cold, windy dry, warm

Activity: 060314104501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.52	Detected and Quantified	F	Actual				3/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	1.1138 µeq/L	Detected and Quantified	F	Actual				3/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/15/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	21.63107 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	41.21648 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	24.57723 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	40.16823 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	86.685 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_Grab	100.50767 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	23.18984 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	127.59951 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	124.85181 µeq/L	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.97847	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06031410450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12 °C	Detected and Quantified	F	Actual				3/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** DR01 **Visit Date:** 3/21/2006 8:25 AM

Visit Comment: SUSIE MABEN // // Cloudy, light wintry mix Cool, mostly dry

Activity: 060321082501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.54	Detected and Quantified	F	Actual				3/22/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	1.17003 µeq/L	Detected and Quantified	F	Actual				3/22/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/22/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	22.68194 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	44.14148 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	24.635 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	36.4694 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	86.22 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	0.14113 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	100.93548 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	22.65408 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	128.06895 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	124.80009 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.97448	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06032108250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	5 °C	Detected and Quantified	F	Actual				3/21/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 3/28/2006 11:35 AM
Visit Comment: FAD // // cloudy, cool cold, dry

Activity: 060328113501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.55	Detected and Quantified	F	Actual				3/29/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	0.31673 µeq/L	Detected and Quantified	F	Actual				3/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/29/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	22.20234 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	42.95158 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	24.65565 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	36.44685 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	84.66 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	0.15649 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	99.45812 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	22.37869 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	126.41291 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	122.19404 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.96663	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06032811350F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	7 °C	Detected and Quantified	F	Actual				3/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 4/4/2006 10:55 AM
Visit Comment: SUSIE MABEN // // Breezy, sunny, warm in afternoon Warm, shower yesterday afternoon

Activity: 060404105501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.54	Detected and Quantified	F	Actual				4/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-0.59733 µeq/L	Detected and Quantified	F	Actual				4/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/5/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	20.87796 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	40.07829 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	25.05333 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	38.77007 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	87.598 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	0.17155 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	1.34588 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	99.11844 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	24.33016 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	124.9512 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	124.19715 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.99397	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06040410550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10.8 °C	Detected and Quantified	F	Actual				4/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** DR01 **Visit Date:** 4/11/2006 11:05 AM

Visit Comment: FAD // // clear, cool some rain

Activity: 060411110501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.5	Detected and Quantified	F	Actual				4/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	-1.32972 µeq/L	Detected and Quantified	F	Actual			4/13/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	18.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	4/12/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	21.26974 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	40.79775 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	25.5724 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	38.39584 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	88.279 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	0.16409 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	0.68067 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	100.35133 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	23.90224 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	126.19982 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	123.60452 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.97943	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06041111050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11 °C	Detected and Quantified	F	Actual				4/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 4/19/2006 12:15 PM
Visit Comment: SUSIE MABEN // // Sunny, warm Mild, some thunderstorms and rain

Activity: 060419121501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.51	Detected and Quantified	F	Actual				4/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-1.32972 µeq/L	Detected and Quantified	F	Actual				4/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/24/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	21.27893 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	40.29935 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	26.2438 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	40.48641 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	90.536 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	0.17112 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_Grab	99.43157 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	24.38586 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	128.47961 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	122.52821 µeq/L	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.95368	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06041912150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	13.7 °C	Detected and Quantified	F	Actual				4/19/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 4/25/2006 11:20 AM
Visit Comment: FAD // // clear, warm some rain

Activity: 060425112001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.56	Detected and Quantified	F	Actual				4/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	1.17003 µeq/L	Detected and Quantified	F	Actual				5/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/26/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	21.42849 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	41.02661 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	24.31905 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	46.71424 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	92.595 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	102.19752 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	22.94273 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	21.547 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	133.49489 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	126.35078 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.94648	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06042511200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	13.5 °C	Detected and Quantified	F	Actual				4/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 5/2/2006 11:25 AM
Visit Comment: FAD // // clear, cool nice

Activity: 060502112501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.6	Detected and Quantified	F	Actual				5/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	1.85389 µeq/L	Detected and Quantified	F	Actual				5/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/4/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	21.89319 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	41.09736 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	24.13 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	43.77858 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	90.354 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	102.36558 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	22.56136 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	130.90563 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	126.82133 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.9688	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06050211250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12.5 °C	Detected and Quantified	F	Actual				5/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 5/9/2006 11:05 AM
Visit Comment: FAD // // cloudy, drizzly, cool some rain

Activity: 060509110501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.69	Detected and Quantified	F	Actual				5/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	1.9024 µeq/L	Detected and Quantified	F	Actual				5/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/11/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	22.12241 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	41.4193 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	24.33352 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	44.26602 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	91.798 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	99.89579 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	22.74171 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	132.14775 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	124.5804 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.94274	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06050911050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11.5 °C	Detected and Quantified	F	Actual				5/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** DR01 **Visit Date:** 5/16/2006 10:30 AM

Visit Comment: FAD, CWM // // Clear warm scattered t-storms, warm

Activity: 060516103001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.66	Detected and Quantified	F	Actual				5/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	2.81649 µeq/L	Detected and Quantified	F	Actual			5/18/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	18.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	5/17/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	20.77536 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	40.41489 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	25.11766 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	44.49542 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	93.989 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	100.35807 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	23.17441 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	130.80983 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	126.38947 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.96621	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06051610300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12 °C	Detected and Quantified	F	Actual				5/16/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 5/23/2006 12:30 PM
Visit Comment: CHRIS MOORE // // Clear, cool, nice Dry, cool

Activity: 060523123001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.59	Detected and Quantified	F	Actual				5/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	3.66978 µeq/L	Detected and Quantified	F	Actual				6/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/25/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	21.0946 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	40.88936 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	25.91555 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	43.68213 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	95.848 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/16/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_Grab	98.94857 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/16/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	24.19705 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/16/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	131.58814 µeq/L	Detected and Quantified	F	Actual			2/6/2008	
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	126.8559 µeq/L	Detected and Quantified	F	Actual			2/18/2008	
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.96404	Detected and Quantified	F	Actual			2/18/2008	
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06052312300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12.5 °C	Detected and Quantified	F	Actual				5/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 5/30/2006 10:25 AM
Visit Comment: CHRIS MOORE // // Hot, humid Cool, dry

Activity: 060530102501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.61	Detected and Quantified	F	Actual				6/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	4.40213 µeq/L	Detected and Quantified	F	Actual				6/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		6/1/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	20.06557 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	39.21814 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	26.30964 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	46.23826 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	100.33 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	0.62005 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	96.54455 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	24.7394 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	131.83811 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	126.30613 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.95804	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06053010250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	17 °C	Detected and Quantified	F	Actual				5/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 6/6/2006 3:55 PM
Visit Comment: SUSIE MABEN // // Mostly sunny, warm Warm, scattered thunderstorms

Activity: 060606155501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.6	Detected and Quantified	F	Actual				6/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	4.35367 µeq/L	Detected and Quantified	F	Actual				6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		6/8/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	20.68905 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	40.19952 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	26.75251 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	46.3561 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	101.658 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	2.60673 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	93.72177 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	24.84902 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	134.00368 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	125.53119 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.93677	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06060615550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	17 °C	Detected and Quantified	F	Actual				6/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 6/13/2006 9:20 AM
Visit Comment: CHRIS MOORE // // Clear, cool to warm Cool, scattered T-storms

Activity: 060613092001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.26	Detected and Quantified	F	Actual				6/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	1.1138 µeq/L	Detected and Quantified	F	Actual				6/29/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		6/27/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	21.7032 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	42.22108 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	27.0059 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	44.99933 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	98.936 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	5.07617 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	91.59225 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	25.09766 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	135.93601 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	122.87988 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.90395	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06061309200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	14 °C	Detected and Quantified	F	Actual				6/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 6/20/2006 8:55 AM
Visit Comment: CHRIS MOORE // // Warm to hot, clear to hazy Hot, clear

Activity: 060620085501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.5	Detected and Quantified	F	Actual				6/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	9.35322 µeq/L	Detected and Quantified	F	Actual			6/29/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	19.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	6/27/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	21.15368 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	42.21104 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	27.90306 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	46.82523 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	105.261 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	1.40405 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	88.32683 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	26.5433 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	139.49706 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	124.26385 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.8908	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06062008550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	17.5 °C	Detected and Quantified	F	Actual				6/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 6/27/2006 9:40 AM
Visit Comment: CHRIS MOORE // // Hot, humid, raining Hot, humid, rain

Activity: 060627094001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.45	Detected and Quantified	F	Actual				7/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-0.59733 µeq/L	Detected and Quantified	F	Actual				7/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	21.67762 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	39.70429 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	26.14176 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	54.29228 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	103.866 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/17/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_Grab	99.52331 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/17/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	22.83376 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/17/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	141.82245 µeq/L	Detected and Quantified	F	Actual			2/6/2008	
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	121.80024 µeq/L	Detected and Quantified	F	Actual			2/18/2008	
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.85882	Detected and Quantified	F	Actual			2/18/2008	
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06062709400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18.5 °C	Detected and Quantified	F	Actual				6/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 7/4/2006 11:00 AM
Visit Comment: CHRIS MOORE // // Hot, scattered T-storms Hot, scattered T-storms

Activity: 060704110001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.52	Detected and Quantified	F	Actual				7/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	1.17003 µeq/L	Detected and Quantified	F	Actual				7/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/6/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	24.35389 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	45.49164 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	24.7252 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	45.7832 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	105.792 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	104.81933 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	26.13175 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	140.36043 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	132.16161 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.94159	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06070411000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	19 °C	Detected and Quantified	F	Actual				7/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 7/10/2006 2:25 PM
Visit Comment: CHRIS MOORE, FRANK DEVINEY // // Warm, clear Warm, scattered T-storms

Activity: 060710142501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.5	Detected and Quantified	F	Actual				7/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	0.31673 µeq/L	Detected and Quantified	F	Actual				7/18/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/14/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	23.49739 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	43.37041 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	25.51766 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	44.40829 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	105.842 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	100.911 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	26.81816 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	136.80025 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	128.08639 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.9363	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06071014250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	19 °C	Detected and Quantified	F	Actual				7/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 7/18/2006 9:00 AM
Visit Comment: CHRIS MOORE // // Hot, humid Hot, scattered T-storms

Activity: 060718090001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.55	Detected and Quantified	F	Actual				7/19/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-3.09705 µeq/L	Detected and Quantified	F	Actual				8/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/19/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	22.71236 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	41.41061 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	25.26645 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	49.67907 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	108.697 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	99.94581 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	26.05514 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	139.07499 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	122.9444 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.88402	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06071809000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	20 °C	Detected and Quantified	F	Actual				7/18/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 7/26/2006 8:55 AM
Visit Comment: CHRIS MOORE // No 250 mL "N" bottle for ammonium. // Warm, scattered T-storms Warm, scattered T-storms

Activity: 060726085501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.15	Detected and Quantified	F	Actual				8/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	-3.82946 µeq/L	Detected and Quantified	F	Actual			8/17/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	20.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	8/8/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	22.27419 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	41.47551 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	26.44299 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	47.6737 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	108.863 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	94.50659 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	27.36032 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	18.796 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	137.87289 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	118.07795 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.85643	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06072608550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	20 °C	Detected and Quantified	F	Actual				7/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 8/1/2006 8:45 AM
Visit Comment: CHRIS MOORE // Sample was collected in two 250mL bottles. // Hot, heat advisory Hot, scattered T-storms

Activity: 060801084501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.35	Detected and Quantified	F	Actual				8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	3.61351 µeq/L	Detected and Quantified	F	Actual				8/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	22.84488 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	42.37514 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	26.62713 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	48.53909 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	111.867 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	9.11289 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	91.07419 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	28.26226 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	140.39274 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	132.06285 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.94067	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06080108450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	21.5 °C	Detected and Quantified	F	Actual				8/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** DR01 **Visit Date:** 8/8/2006 10:00 AM

Visit Comment: CHRIS MOORE // // Warm, humid, scattered T-storms Hot, scattered T-storms

Activity: 060808100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.4	Detected and Quantified	F	Actual				8/16/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	9.22185 µeq/L	Detected and Quantified	F	Actual				8/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/16/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	23.10277 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	42.44393 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	27.68633 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	49.38254 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	113.162 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	88.56751 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	29.06691 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	142.62207 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	126.89677 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.88974	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06080810000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	22 °C	Detected and Quantified	F	Actual				8/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** DR01 **Visit Date:** 8/15/2006 9:45 AM

Visit Comment: CHRIS MOORE // Almost completely dry. Could not find a spot deep to entirely fill 500 mL bottle. // Warm, nice, cloudy to partly cloudy Warm, scattered T-storms

Activity: 060815094501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.45	Detected and Quantified	F	Actual				8/16/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	3.51608 µeq/L	Detected and Quantified	F	Actual				8/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/16/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	23.24821 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/23/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	43.11738 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/23/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	28.94699 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/23/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	48.79627 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/23/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	114.075 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/23/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	3.57551 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		7/23/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	88.4289 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/23/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	29.9353 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/23/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	144.11535 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	125.45579 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.87052	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06081509450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	21 °C	Detected and Quantified	F	Actual				8/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 9/6/2006 3:35 PM
Visit Comment: SUSIE MABEN // // Partly sunny, warm Rain, cool, Hurricane Ernesto remnants

Activity: 060906153501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.25	Detected and Quantified	F	Actual				9/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-3.82946 µeq/L	Detected and Quantified	F	Actual				10/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	21.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/14/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	22.27144 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	44.22287 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	24.60212 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	50.07027 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	107.784 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	106.57186 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	26.11477 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	141.1732 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	128.89767 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.91305	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06090615350F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	17 °C	Detected and Quantified	F	Actual				9/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 9/12/2006 11:50 AM
Visit Comment: SUSIE MABEN // // Cool, partly cloudy Cool, fair

Activity: 060912115001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.47	Detected and Quantified	F	Actual				9/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	-3.88562 µeq/L	Detected and Quantified	F	Actual			10/14/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	19.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	9/14/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	22.25655 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	43.6156 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	25.8562 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	47.01011 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	109.377 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	1.43191 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	101.8296 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	27.44002 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	138.74496 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	126.81591 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.91402	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06091211500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	16 °C	Detected and Quantified	F	Actual				9/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 9/19/2006 12:00 PM
Visit Comment: SUSIE MABEN // // Partly cloudy, mild Mild; some rainy, cloudy days

Activity: 060919120001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.48	Detected and Quantified	F	Actual				9/22/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-3.88562 µeq/L	Detected and Quantified	F	Actual				10/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/22/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	21.78402 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	41.8577 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	26.53631 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	46.86205 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	110.191 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/25/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_Grab	97.60752 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/25/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	27.43535 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/25/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	137.04658 µeq/L	Detected and Quantified	F	Actual			2/6/2008	
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	121.19775 µeq/L	Detected and Quantified	F	Actual			2/18/2008	
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.88435	Detected and Quantified	F	Actual			2/18/2008	
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06091912000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	17.5 °C	Detected and Quantified	F	Actual				9/19/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** DR01 **Visit Date:** 9/26/2006 11:10 AM

Visit Comment: SUSIE MABEN // // Warm, sunny Fair, a few light showers

Activity: 060926111001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.45	Detected and Quantified	F	Actual				10/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-1.38591 µeq/L	Detected and Quantified	F	Actual				10/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	22.34953 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	42.5723 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	26.43346 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	44.29932 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	107.236 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	12/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	95.94329 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	27.13984 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	135.66111 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	121.73772 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.89737	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06092611100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	15.5 °C	Detected and Quantified	F	Actual				9/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 10/3/2006 10:40 AM
Visit Comment: SUSIE MABEN //
//Warm, mostly sunny
Fair, some showers

Activity: 061003104001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** Suzanne Maben **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	5.6066	Detected and Quantified	F	Actual				10/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	5.62	Detected and Quantified	F	Actual				10/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	6.90936 µeq/L	Detected and Quantified	F	Actual				10/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-1.38591 µeq/L	Detected and Quantified	F	Actual				10/18/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/5/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	22.44046 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	42.63385 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	26.13496 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	42.78245 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	105.244 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	0.15899 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	94.43002 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	26.09656 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	134.15071 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	119.18117 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.88841	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	127.47644 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.95025	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06100310400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	14.5 °C	Detected and Quantified	F	Actual				10/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 10/10/2006 12:40 PM
Visit Comment: SUSIE MABEN //
//Sunny, warm
Rain event, mild

Activity: 061010124001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	5.3605	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

pH_Manual_Grab *Dilution:* N	5.44 *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			10/12/2006
ANC_Metrohm_Grab *Dilution:* N	2.75235 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			10/12/2006
ANC_Manual_Grab *Dilution:* N	-2.06066 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			10/19/2006
Cond_VWR_Manual_Grab *Dilution:* N	20.5 µS/cm *Recovery:* N	Detected and Quantified *Correction:* Y	F	Actual	0.162 uS/cm	0.515 uS/cm	10/12/2006
Ca_Ions_Grab *Dilution:* N	24.57769 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.468 ueq/L	1.488 ueq/L	7/25/2007
Mg_Ions_Grab *Dilution:* N	49.13608 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.218 ueq/L	0.694 ueq/L	7/25/2007
Na_Ions_Grab *Dilution:* N	22.74634 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.029 ueq/L	0.091 ueq/L	7/25/2007
K_Ions_Grab *Dilution:* N	45.68807 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.029 ueq/L	0.092 ueq/L	7/25/2007
SiO2_TC_Grab *Dilution:* N	100.181 µmol/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
NH4_Ions_Grab *Dilution:* N	*Non-detect *Recovery:* N	*Non-detect *Correction:* N	F	Actual	0.013 ueq/L	0.04 ueq/L	7/25/2007
NO3_Ions_Grab *Dilution:* N	*Non-detect *Recovery:* N	*Non-detect *Correction:* N	F	Actual	0.081 ueq/L	0.258 ueq/L	7/26/2007
SO4_Ions_Grab *Dilution:* N	109.51199 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.31 ueq/L	0.986 ueq/L	7/26/2007
Cl_Ions_Grab *Dilution:* N	24.68286 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.076 ueq/L	0.242 ueq/L	7/26/2007
SBC_IC2_GRAB *Dilution:* N	142.15468 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/6/2008
SAA_2PT_IC2_GRAB *Dilution:* N	132.17469 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			4/23/2008
IONRATIO_2PT_IC2_GRAB *Dilution:* N	0.92979 *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			4/23/2008

SAA_MET_IC2_GRAB	136.9877 µeq/L	Detected and Quantified	F	Actual				4/23/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_MET_IC2_GRAB	0.96365	Detected and Quantified	F	Actual				4/23/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06101012400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	14.5 °C	Detected and Quantified	F	Actual				10/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 10/17/2006 11:20 AM
Visit Comment: SUSIE MABEN //
//Rain, mild
Fair, frost

Activity: 061017112001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	5.4736	Detected and Quantified	F	Actual				10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	5.54	Detected and Quantified	F	Actual				10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	4.22573 µeq/L	Detected and Quantified	F	Actual				10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	0.37553 µeq/L	Detected and Quantified	F	Actual				10/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	23.97769 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_Grab	48.04215 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	24.24518 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	42.55131 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	98.421 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	104.20482 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	26.27193 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	138.82283 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	130.89278 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.94288	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	134.74298 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.97061	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06101711200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12 °C	Detected and Quantified	F	Actual				10/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 10/24/2006 12:00 PM
Visit Comment: SUSIE MABEN //
//Cold, windy, partly sunny
Cool, mostly fair

Activity: 061024120001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	5.5234	Detected and Quantified	F	Actual				10/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	5.59	Detected and Quantified	F	Actual				10/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	3.21594 µeq/L	Detected and Quantified	F	Actual				10/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	2.87526 µeq/L	Detected and Quantified	F	Actual				10/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/26/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	23.69863 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	48.22033 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	24.98555 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	42.09429 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	104.016 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	104.50464 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	25.99047 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	139.0053 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	133.41087 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.95975	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	133.75155 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.9622	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06102412000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9 °C	Detected and Quantified	F	Actual				10/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 10/30/2006 10:00 AM
Visit Comment: SUSIE MABEN //
//Mostly sunny, mild
Fair, some precip.

Activity: 061030100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	5.5427	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	5.6	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	4.46579 µeq/L	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	1.9024 µeq/L	Detected and Quantified	F	Actual				11/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	22.85293 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	47.00941 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	24.62573 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	43.92408 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	101.924 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	103.56403 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	25.29276 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	26.121 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	138.41865 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	130.79969 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.94496	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	133.36308 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.96348	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06103010000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9.5 °C	Detected and Quantified	F	Actual				10/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 11/7/2006 12:15 PM
Visit Comment: FAD // //drizzly, cold seasonal

Activity: 061107121501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	5.532	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	4.80789 µeq/L	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	22.41162 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	45.20576 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	23.94461 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	43.81515 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	98.637 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	101.37282 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	24.64958 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	135.38364 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_MET_IC2_GRAB	130.87079 µeq/L	Detected and Quantified	F	Actual				4/23/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_MET_IC2_GRAB	0.96667	Detected and Quantified	F	Actual				4/23/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06110712150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8.5 °C	Detected and Quantified	F	Actual				11/7/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 11/14/2006 12:05 PM
Visit Comment: FAD //clear,
warm
rained several times

Activity: 061114120501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	5.4277	Detected and Quantified	F	Actual				11/21/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	2.81614 µeq/L	Detected and Quantified	F	Actual				11/21/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/21/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	23.2997 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	45.55621 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Na_Ions_Grab	23.02453 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	45.57492 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	98.372 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	106.16393 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	24.39257 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	137.46186 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	133.41314 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.97055	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06111412050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12 °C	Detected and Quantified	F	Actual				11/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 11/21/2006 12:40 PM
Visit Comment: FAD // //clear,
cold
heavy rain end of last week

Activity: 061121124001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	5.2917	Detected and Quantified	F	Actual				11/29/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	2.62313 µeq/L	Detected and Quantified	F	Actual				11/29/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/29/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	26.87308 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	50.46508 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	23.00177 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	40.35148 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	96.247 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	110.06193 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	24.92669 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	140.69791 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_MET_IC2_GRAB	137.65225 µeq/L	Detected and Quantified	F	Actual				4/23/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_MET_IC2_GRAB	0.97835	Detected and Quantified	F	Actual				4/23/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06112112400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9 °C	Detected and Quantified	F	Actual				11/21/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 11/28/2006 1:45 PM
Visit Comment: FAD //Clear,
mild
significant rain last week

Activity: 061128134501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	5.4361	Detected and Quantified	F	Actual				11/29/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	4.06361 µeq/L	Detected and Quantified	F	Actual				11/29/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/29/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	25.13032 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_Grab	49.10984 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	23.13602 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	40.73548 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	95.716 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	110.0729 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	24.65079 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	138.11816 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	138.8278 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	1.00514	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06112813450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10.5 °C	Detected and Quantified	F	Actual				11/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

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Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 12/5/2006 12:55 PM
Visit Comment: FAD //clear,
cold
light rain last Friday

Activity: 061205125501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	5.4092	Detected and Quantified	F	Actual				12/7/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	2.35612 µeq/L	Detected and Quantified	F	Actual				12/7/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		12/7/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	26.80425 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	50.66108 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	23.95076 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	37.39059 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	95.168 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	106.9831 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	24.5903 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	138.81318 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_MET_IC2_GRAB	133.97002 µeq/L	Detected and Quantified	F	Actual				4/23/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_MET_IC2_GRAB	0.96511	Detected and Quantified	F	Actual				4/23/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06120512550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6.5 °C	Detected and Quantified	F	Actual				12/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 12/12/2006 12:25 PM
Visit Comment: FAD // //clear, mild dry

Activity: 061212122501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	5.4933	Detected and Quantified	F	Actual				12/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	2.00728 µeq/L	Detected and Quantified	F	Actual				12/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		12/14/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	26.27789 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	49.9794 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Na_Ions_Grab	24.07888 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	35.87411 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	94.537 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	104.86962 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	24.01584 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	136.21678 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	130.93324 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.96121	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06121212250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	5.5 °C	Detected and Quantified	F	Actual				12/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

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Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 12/19/2006 12:20 PM
Visit Comment: FAD //
//Cloudy, Cool mild, no rain

Activity: 061219122001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	5.2643	Detected and Quantified	F	Actual				1/4/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	1.9161 µeq/L	Detected and Quantified	F	Actual				1/4/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/4/2007				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	23.71288 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	47.34112 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	24.42677 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	37.49213 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	96.33 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	0.74701 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	102.42708 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	24.16541 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	132.9794 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_MET_IC2_GRAB	129.2556 µeq/L	Detected and Quantified	F	Actual				4/23/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_MET_IC2_GRAB	0.972	Detected and Quantified	F	Actual				4/23/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06121912200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8.5 °C	Detected and Quantified	F	Actual				12/19/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** DR01 **Visit Date:** 12/27/2006 12:25 PM
Visit Comment: FAD //clear.
cool
some rain

Activity: 061227122501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	5.3939	Detected and Quantified	F	Actual				1/4/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	2.47508 µeq/L	Detected and Quantified	F	Actual				1/4/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/4/2007				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	24.0385 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	47.13354 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Na_Ions_Grab	23.80492 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	39.25457 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	95.981 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	102.92365 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	22.69429 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	134.23803 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	128.13352 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.95452	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06122712250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6 °C	Detected and Quantified	F	Actual				12/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

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Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** MAD2 **Visit Date:** 1/25/2005 12:15 PM
Visit Comment: SUSIE MABEN // // Cold, mostly cloudy Snow, cold

Activity: 050125121501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.79	Detected and Quantified	F	Actual				1/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	79.3 µeq/L	Detected and Quantified	F	Actual				2/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	21.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/27/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	53.094 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	75.387 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	38.236 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	20.224 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	115.503 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		2/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	0.918 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	67.434 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	24.393 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	186.941 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	172.045 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

IONRATIO_2PT_IC1_AA_GRAB	0.92032	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05012512150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	1.7 °C	Detected and Quantified	F	Actual				1/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** MAD2 **Visit Date:** 4/26/2005 10:30 AM
Visit Comment: DOUGLAS TOBIAS // // Cool, partly cloudy, windy Cool, some rain & thunder

Activity: 050426103001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.92	Detected and Quantified	F	Actual				4/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	96.1 µeq/L	Detected and Quantified	F	Actual				5/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	22.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/27/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	58.433 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	80.572 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	43.152 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	25.062 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	120.549 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N						
Result Comment: Reported value of 0.032.								
SO4_IC_Grab	68.141 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_IC_Grab	25.126 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_AA_GRAB	207.219 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC1_GRAB	189.4675 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC1_AA_GRAB	0.91433	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 05042610300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9.5 °C	Detected and Quantified	F	Actual				4/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** MAD2 **Visit Date:** 7/26/2005 8:00 AM
Visit Comment: CHRIS MOORE // // Clear, warm Hot, humid, dry

Activity: 050726080001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.6	Detected and Quantified	F	Actual				7/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	189.4 µeq/L	Detected and Quantified	F	Actual				8/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	31.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	7/28/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	82.834 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	111.763 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	58.377 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	36.403 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	152.521 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	63.086 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	26.226 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	289.377 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	278.8125 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.96349	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05072608000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	19 °C	Detected and Quantified	F	Actual				7/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** MAD2 **Visit Date:** 10/25/2005 1:55 PM
Visit Comment: SUSIE MABEN // // Light rain, cool Occasional rain and clouds

Activity: 051025135501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.31	Detected and Quantified	F	Actual				10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	112.8636 µeq/L	Detected and Quantified	F	Actual				11/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	24.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	69.87539 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	95.92018 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	46.01054 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	28.15207 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	130.443 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/5/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	72.90443 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	27.39596 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	239.96468 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	213.20449 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.88848	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05102513550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10 °C	Detected and Quantified	F	Actual				10/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** MAD2 **Visit Date:** 1/31/2006 1:20 PM
Visit Comment: SUSIE MABEN // // Windy, cool Some light precip.

Activity: 060131132001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.63	Detected and Quantified	F	Actual				2/7/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	76.89435 µeq/L	Detected and Quantified	F	Actual				2/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/7/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	52.58254 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	74.35781 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	40.45491 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	22.90213 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	112.332 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	69.15184 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	24.80647 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	190.30389 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	170.89316 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.898	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06013113200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	5.5 °C	Detected and Quantified	F	Actual				1/31/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** MAD2 **Visit Date:** 4/25/2006 11:35 AM

Visit Comment: FAD // // clear, warm some rain

Activity: 060425113501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.92	Detected and Quantified	F	Actual				4/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	110.36386 µeq/L	Detected and Quantified	F	Actual			5/8/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	23.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	4/26/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	61.59043 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	85.20929 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	46.3686 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	27.79246 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	126.027 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	0.47047 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	72.06822 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	25.56087 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	220.96728 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	208.46342 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.94341	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06042511350F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	14 °C	Detected and Quantified	F	Actual				4/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** MAD2 **Visit Date:** 7/26/2006 8:05 AM
Visit Comment: CHRIS MOORE // // Warm, scattered T-storms Warm, scattered T-storms

Activity: 060726080501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.66	Detected and Quantified	F	Actual				8/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	168.65358 µeq/L	Detected and Quantified	F	Actual				8/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	27.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/9/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	76.60788 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	106.40304 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	53.62903 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	35.13252 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	149.217 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	63.04516 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	23.9916 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	271.77897 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	255.73084 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.94095	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06072608050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	19 °C	Detected and Quantified	F	Actual				7/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** MAD2 **Visit Date:** 10/30/2006 10:50 AM
Visit Comment: SUSIE MABEN //
//Mostly sunny, mild
Fair, some precip.

Activity: 061030105001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.7386	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.81	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Metrohm_Grab	103.6187 µeq/L	Detected and Quantified	F	Actual			11/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
ANC_Manual_Grab	98.60269 µeq/L	Detected and Quantified	F	Actual			11/17/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	22.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	11/2/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	56.87461 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	82.0527 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	41.68824 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	24.90853 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	123.786 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	68.28535 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	26.38066 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	205.53058 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	193.3092 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.94054	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	198.32521 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

IONRATIO_MET_IC2_GRAB	0.96494	Detected and Quantified	F	Actual				4/23/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06103010500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9.5 °C	Detected and Quantified	F	Actual				10/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 1/5/2005 12:15 PM
Visit Comment: FAD // // cloudy, cool a little rain

Activity: 050105121501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.54	Detected and Quantified	F	Actual				1/6/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	50.3 µeq/L	Detected and Quantified	F	Actual				1/19/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	23.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/6/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	76.147 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	43.043 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	74.168 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	9.446 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	167.245 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		2/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_IC_Grab	15.859 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	98.925 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	27.1 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	202.804 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	192.184 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.94763	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05010512150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8 °C	Detected and Quantified	F	Actual				1/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** NFDR **Visit Date:** 1/12/2005 1:05 PM

Visit Comment: FAD // // cloudy, mild warm, dry

Activity: 050112130501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.6	Detected and Quantified	F	Actual				1/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	42.8 µeq/L	Detected and Quantified	F	Actual				1/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	23.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/13/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_AA_Grab	74.401 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	43.125 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	73.82 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	9.216 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	166.847 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	2/23/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	10.352 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	98.093 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	27.608 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	200.562 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	178.853 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.89176	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05011213050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	7 °C	Detected and Quantified	F	Actual				1/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 1/19/2005 11:35 AM
Visit Comment: FAD // // Very cold, cloudy, 11 degrees at Thornton Gap Rain, then turned cold, some snow

Activity: 050119113501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.41	Detected and Quantified	F	Actual				1/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	32.8 µeq/L	Detected and Quantified	F	Actual				1/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	23.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/22/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	74.351 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	42.714 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	68.208 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	8.525 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	157.252 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		2/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	17.291 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	103.938 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	24.731 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	193.798 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	178.76 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

IONRATIO_2PT_IC1_AA_GRAB	0.9224	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05011911350F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	2 °C	Detected and Quantified	F	Actual				1/19/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 1/26/2005 1:25 PM
Visit Comment: FAD // // Clearing, cool Snow, cold

Activity: 050126132501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.51	Detected and Quantified	F	Actual				1/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	38.3 µeq/L	Detected and Quantified	F	Actual				2/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	22.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/27/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	71.507 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	40.656 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	70.035 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	8.422 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	161.402 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_IC_Grab	16.696 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	97.427 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	26.367 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	190.62 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	178.79 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.93794	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05012613250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	3.5 °C	Detected and Quantified	F	Actual				1/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0501261325TB **Activity Type:** Quality Control Sample-Trip Blank **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** Yes

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.88	Detected and Quantified	F	Actual				1/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-1.7 µeq/L	Detected and Quantified	F	Actual				2/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	0.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/27/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	*Non-detect	*Non-detect	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of -0.1.												

Mg_AA_Grab	*Non-detect	*Non-detect	F	Actual	0.578 ueq/L	1.84 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.165.							
Na_AA_Grab	*Non-detect	*Non-detect	F	Actual	0.71 ueq/L	2.257 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of -0.522.							
K_AA_Grab	*Non-detect	*Non-detect	F	Actual	0.249 ueq/L	0.792 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.102.							
SiO2_TC_Grab	*Non-detect	*Non-detect	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.166.							
NH4_TC_Grab500	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L	9/19/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of -0.055.							
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.032.							
SO4_IC_Grab	*Non-detect	*Non-detect	F	Actual	1.021 ueq/L	3.248 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.125.							
Cl_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.569 ueq/L	1.808 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.31.							
T_AL_TC_Grab	*Non-detect	*Non-detect	F	Actual	1.524 ug/l	4.845 ug/l	4/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of -0.028.							
SBC_AA_GRAB	1.403 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	-0.8045 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	-0.57341	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 2/2/2005 11:05 AM
Visit Comment: FAD // // Clear, cold Cold, snow/sleet/freezing rain event, light amount

Activity: 050202110501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.58	Detected and Quantified	F	Actual				2/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	38.3 µeq/L	Detected and Quantified	F	Actual				2/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	22.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/3/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	69.261 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	40.492 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	69.6 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	7.834 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	163.693 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	18.37 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	92.955 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	27.213 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	187.187 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	176.838 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

IONRATIO_2PT_IC1_AA_GRAB	0.94471	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05020211050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	2 °C	Detected and Quantified	F	Actual				2/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 2/9/2005 11:00 AM
Visit Comment: FAD // // cool to warm, mostly cloudy A little mixed precip., cool

Activity: 050209110001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.52	Detected and Quantified	F	Actual				2/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	39.4 µeq/L	Detected and Quantified	F	Actual				2/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	23 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/10/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	71.656 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	40.656 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	74.124 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	8.371 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	166.581 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_IC_Grab	17.79 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_IC_Grab	92.186 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_IC_Grab	27.551 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_AA_GRAB	194.807 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC1_GRAB	176.927 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC1_AA_GRAB	0.90822	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 05020911000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	5 °C	Detected and Quantified	F	Actual				2/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** NFDR **Visit Date:** 2/16/2005 12:45 PM

Visit Comment: FAD // // mild Mild, a little rain

Activity: 050216124501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.57	Detected and Quantified	F	Actual				2/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	35.3 µeq/L	Detected and Quantified	F	Actual				2/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	23.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/17/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_AA_Grab	71.856 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	40.738 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	73.646 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	8.422 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	164.772 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	14.474 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	93.371 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	27.89 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	194.662 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	171.035 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.87863	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05021612450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6 °C	Detected and Quantified	F	Actual				2/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 2/23/2005 12:30 PM
Visit Comment: FAD // // pt. cloudy, cool. Rain 2/21/05

Activity: 050223123001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.57	Detected and Quantified	F	Actual				2/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	41.9 µeq/L	Detected and Quantified	F	Actual				3/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	23.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/24/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	72.056 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	40.738 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	71.732 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	8.397 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	161.037 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	15.472 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	94.723 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	26.536 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	192.923 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	178.631 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

IONRATIO_2PT_IC1_AA_GRAB	0.92592	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05022312300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	5 °C	Detected and Quantified	F	Actual				2/23/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 3/2/2005 12:10 PM
Visit Comment: FAD // // Cold, windy 2 snow events, cold

Activity: 050302121001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.53	Detected and Quantified	F	Actual				3/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	40.3 µeq/L	Detected and Quantified	F	Actual				3/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	22.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/3/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	70.608 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	40.08 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	70.514 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	7.629 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	158.414 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_IC_Grab	18.966 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_IC_Grab	96.595 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_IC_Grab	26.226 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_AA_GRAB	188.831 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC1_GRAB	182.087 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC1_AA_GRAB	0.96429	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 05030212100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	2 °C	Detected and Quantified	F	Actual				3/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** NFDR **Visit Date:** 3/9/2005 1:50 PM

Visit Comment: SUSIE MABEN, DOUGLAS TOBIAS // // Clear and cold Some rain/snow, cool

Activity: 050309135001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.49	Detected and Quantified	F	Actual				3/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	36.9 µeq/L	Detected and Quantified	F	Actual				3/14/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	23.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/10/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_AA_Grab	76.297 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	43.208 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	71.036 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	8.499 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	154.065 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	29.205 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	100.755 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	23.519 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	199.04 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	190.379 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.95649	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05030913500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	3.3 °C	Detected and Quantified	F	Actual				3/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 3/16/2005 2:15 PM
Visit Comment: DOUG TOBIAS, SUSIE MABEN // // Cool, mostly cloudy Cool, some mixed precip.

Activity: 050316141501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.49	Detected and Quantified	F	Actual				3/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	39.6 µeq/L	Detected and Quantified	F	Actual				3/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	22.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/17/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	70.359 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	39.586 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	71.122 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	8.422 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	157.119 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	16.036 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	99.195 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	25.07 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	189.489 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	179.901 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

IONRATIO_2PT_IC1_AA_GRAB	0.9494	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05031614150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4.8 °C	Detected and Quantified	F	Actual				3/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 3/23/2005 10:30 AM
Visit Comment: DOUGLAS TOBIAS // // Cold, rain Cool, cloudy

Activity: 050323103001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.56	Detected and Quantified	F	Actual				3/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	44.4 µeq/L	Detected and Quantified	F	Actual				3/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	23.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/24/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	74.75 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	42.22 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	72.428 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	8.934 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	150.147 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_IC_Grab	17.662 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_IC_Grab	97.531 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_IC_Grab	25.747 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_AA_GRAB	198.332 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC1_GRAB	185.34 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC1_AA_GRAB	0.93449	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 05032310300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6 °C	Detected and Quantified	F	Actual				3/23/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** NFDR **Visit Date:** 3/30/2005 12:30 PM

Visit Comment: DOUGLAS TOBIAS // // Mostly sunny, warm Rain, cool

Activity: 050330123001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.47	Detected and Quantified	F	Actual				3/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	34.4 µeq/L	Detected and Quantified	F	Actual				4/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	24.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/31/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_AA_Grab	82.984 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	46.335 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	64.859 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	9.984 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	138.61 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	28.095 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	109.72 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	22.419 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	204.162 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	194.634 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.95333	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05033012300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	7.5 °C	Detected and Quantified	F	Actual				3/30/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

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Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 4/6/2005 10:20 AM
Visit Comment: DOUGLAS TOBIAS // // Warm, sunny Precip. over weekend

Activity: 050406102001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.62	Detected and Quantified	F	Actual				4/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	36.1 µeq/L	Detected and Quantified	F	Actual				4/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	23.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/11/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	77.395 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	44.277 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	68.164 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	10.035 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	147.508 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	20.479 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	103.272 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	24.026 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	199.871 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	183.877 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

IONRATIO_2PT_IC1_AA_GRAB	0.91998	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05040610200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8.3 °C	Detected and Quantified	F	Actual				4/6/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 4/13/2005 9:30 AM
Visit Comment: DOUGLAS TOBIAS // // Cold, light rain in morning Moderate temps., some rain

Activity: 050413093001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.68	Detected and Quantified	F	Actual				4/14/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	46.7 µeq/L	Detected and Quantified	F	Actual				4/14/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	23.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/14/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	77.844 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	43.619 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	70.905 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	9.702 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	154.048 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_IC_Grab	12.22 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_IC_Grab	99.466 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_IC_Grab	24.816 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_AA_GRAB	202.07 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC1_GRAB	183.202 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC1_AA_GRAB	0.90663	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 05041309300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8 °C	Detected and Quantified	F	Actual				4/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** NFDR **Visit Date:** 4/20/2005 10:20 AM

Visit Comment: DOUGLAS TOBIAS // // Warm, partly cloudy Warm, partly cloudy, some rain

Activity: 050420102001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.62	Detected and Quantified	F	Actual				4/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	55.4 µeq/L	Detected and Quantified	F	Actual				4/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	23.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/21/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_AA_Grab	77.545 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	42.878 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	74.168 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	10.266 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	161.817 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	17.146 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	96.262 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	25.747 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	204.857 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	194.555 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.94971	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05042010200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10.8 °C	Detected and Quantified	F	Actual				4/20/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

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Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 4/27/2005 9:30 AM
Visit Comment: DOUGLAS TOBIAS // // Cool, windy, rain in morning Cool, partly cloudy, some rain & thunder

Activity: 050427093001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.55	Detected and Quantified	F	Actual				4/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	52 µeq/L	Detected and Quantified	F	Actual				5/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	23.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/28/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	78.742 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	44.524 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	73.124 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	9.984 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	161.418 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	18.112 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	97.448 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	26.282 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	206.374 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	193.842 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

IONRATIO_2PT_IC1_AA_GRAB	0.93928	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05042709300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9.5 °C	Detected and Quantified	F	Actual				4/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0504270930TB **Activity Type:** Quality Control Sample-Trip Blank **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** Yes

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.88	Detected and Quantified	F	Actual				4/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	0.3 µeq/L	Detected and Quantified	F	Actual				5/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	*Present <QL	*Present <QL	F	Actual	0.162 uS/cm	0.515 uS/cm		4/28/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Result Comment: Reported value of 0.5.												
Ca_AA_Grab	*Non-detect	*Non-detect	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.05.												
Mg_AA_Grab	*Non-detect	*Non-detect	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.494.												
Na_AA_Grab	*Non-detect	*Non-detect	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.087.												
K_AA_Grab	*Non-detect	*Non-detect	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.128.												

SiO2_TC_Grab	*Non-detect	*Non-detect	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.1.							
NH4_TC_Grab500	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L	9/22/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.021.							
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	*Non-detect	*Non-detect	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.125.							
Cl_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.169.							
T_AL_TC_Grab	*Non-detect	*Non-detect	F	Actual	1.524 ug/l	4.845 ug/l	4/25/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.054.							
SBC_AA_GRAB	1.403 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	1.1955 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.8521	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

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Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 5/4/2005 9:30 AM
Visit Comment: DOUGLAS TOBIAS // // Cool, mostly cloudy Warm, partly cloudy, scattered rain showers

Activity: 050504093001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.6	Detected and Quantified	F	Actual				5/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	49.4 µeq/L	Detected and Quantified	F	Actual				5/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	23.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/5/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	78.592 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	43.784 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	72.21 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	9.626 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	159.642 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	14.828 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	99.091 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	25.493 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	204.212 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	188.812 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

IONRATIO_2PT_IC1_AA_GRAB	0.92459	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05050409300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8.8 °C	Detected and Quantified	F	Actual				5/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 5/11/2005 11:00 AM
Visit Comment: DOUGLAS TOBIAS // // Warm, cloudy Cool to warm temps., partly cloudy

Activity: 050511110001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.61	Detected and Quantified	F	Actual				5/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	54.2 µeq/L	Detected and Quantified	F	Actual				5/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	24.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/12/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	81.087 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	44.689 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	74.428 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	10.266 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	164.124 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_IC_Grab	14.699 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	99.008 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	26.226 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	210.47 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	194.133 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.92238	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05051111000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12 °C	Detected and Quantified	F	Actual				5/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** NFDR **Visit Date:** 5/18/2005 1:00 PM

Visit Comment: DOUGLAS TOBIAS, SUSIE MABEN // // Warm, mostly sunny Thunderstorms over weekend, warm

Activity: 050518130001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.64	Detected and Quantified	F	Actual				5/19/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	67.9 µeq/L	Detected and Quantified	F	Actual				5/19/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	24.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/19/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_AA_Grab	82.984 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	45.923 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	76.604 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	10.47 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	171.777 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	9.789 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	96.034 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	27.298 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	215.981 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	201.021 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.93073	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05051813000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12 °C	Detected and Quantified	F	Actual				5/18/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

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Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** NFDR **Visit Date:** 5/25/2005 9:25 AM

Visit Comment: DOUGLAS TOBIAS // // Cool, cloudy, some sprinkles in the afternoon Cool, partly cloudy, scattered rain showers and thunder

Activity: 050525092501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.58	Detected and Quantified	F	Actual				5/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	58.6 µeq/L	Detected and Quantified	F	Actual				5/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	24.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/26/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	84.78 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	47.405 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	73.384 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	10.47 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	158.43 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	17.356 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	101.4 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	24.844 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	216.039 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	202.2 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

IONRATIO_2PT_IC1_AA_GRAB	0.93594	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05052509250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10.5 °C	Detected and Quantified	F	Actual				5/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 6/1/2005 9:35 AM
Visit Comment: DOUGLAS TOBIAS // // Cool, partly cloudy Cool, partly cloudy, some light rain

Activity: 050601093501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.57	Detected and Quantified	F	Actual				6/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	57.9 µeq/L	Detected and Quantified	F	Actual				6/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	24.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		6/2/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	82.734 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	46.499 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	69.47 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	9.728 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	159.244 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_IC_Grab	13.25 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	104.208 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	26.79 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	208.431 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	202.148 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.96986	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05060109350F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12 °C	Detected and Quantified	F	Actual				6/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** NFDR **Visit Date:** 6/8/2005 10:50 AM

Visit Comment: DOUGLAS TOBIAS // // Hot, partly cloudy Cool, cloudy, rain

Activity: 050608105001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.54	Detected and Quantified	F	Actual				6/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	58.6 µeq/L	Detected and Quantified	F	Actual				6/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	24.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		6/9/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_AA_Grab	84.131 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	46.746 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	71.732 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	10.522 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	160.588 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	10.819 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	102.752 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	26.705 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	213.131 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	198.876 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.93312	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05060810500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	14.8 °C	Detected and Quantified	F	Actual				6/8/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

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Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** NFDR **Visit Date:** 6/15/2005 1:20 PM

Visit Comment: DOUGLAS TOBIAS // // Hot, mostly sunny Hot, partly cloudy, some brief rain and thunder storms

Activity: 050615132001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.59	Detected and Quantified	F	Actual				6/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	66.1 µeq/L	Detected and Quantified	F	Actual				6/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	25.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		6/16/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	88.123 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	48.31 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	74.994 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	11.494 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	171.262 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	11.479 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	100.859 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	28.961 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	222.921 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	207.399 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

IONRATIO_2PT_IC1_AA_GRAB	0.93037	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05061513200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	16.6 °C	Detected and Quantified	F	Actual				6/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 6/22/2005 10:45 AM
Visit Comment: DOUGLAS TOBIAS // // Cool, cloudy, some light rain Cool to warm, partly cloudy

Activity: 050622104501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.52	Detected and Quantified	F	Actual				6/23/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	76.1 µeq/L	Detected and Quantified	F	Actual				6/23/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	27.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		6/23/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	94.81 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	52.014 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	78.256 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	11.341 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	176.375 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_IC_Grab	19.739 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_IC_Grab	97.094 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_IC_Grab	30.766 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_AA_GRAB	236.421 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC1_GRAB	223.699 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC1_AA_GRAB	0.94619	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 05062210450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	15.5 °C	Detected and Quantified	F	Actual				6/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** NFDR **Visit Date:** 6/29/2005 8:55 AM

Visit Comment: DOUGLAS TOBIAS, CHRIS MOORE // // Clear, warm Scattered T-storms, hot

Activity: 050629085501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.18	Detected and Quantified	F	Actual				7/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	77.9 µeq/L	Detected and Quantified	F	Actual				7/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	28.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/11/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_AA_Grab	96.507 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	53.248 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	80.214 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	12.595 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	173.686 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	26.307 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	92.56 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	29.3 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	242.564 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	226.067 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.93199	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05062908550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	16 °C	Detected and Quantified	F	Actual				6/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

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Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 7/6/2005 11:00 AM
Visit Comment: CHRIS MOORE // // Cool, cloudy, rainy Hot, scattered T-storms

Activity: 050706110001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.16	Detected and Quantified	F	Actual				7/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	88.7 µeq/L	Detected and Quantified	F	Actual				7/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	28.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/11/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	98.902 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	53.495 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	85.13 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	12.723 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	189.788 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	20.769 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	91.437 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	30.456 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	250.25 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	231.362 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

IONRATIO_2PT_IC1_AA_GRAB	0.92452	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05070611000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	19 °C	Detected and Quantified	F	Actual				7/6/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 7/13/2005 12:00 PM
Visit Comment: CHRIS MOORE // // Cloudy, hazy, humid Hot, T-storms

Activity: 050713120001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.55	Detected and Quantified	F	Actual				7/14/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	65 µeq/L	Detected and Quantified	F	Actual				7/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	25.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/14/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	87.624 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	48.31 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	75.255 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	10.88 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	169.22 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_IC_Grab	12.397 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	103.875 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	23.18 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	222.069 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	204.452 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.92067	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05071312000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	17.5 °C	Detected and Quantified	F	Actual				7/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** NFDR **Visit Date:** 7/20/2005 11:30 AM

Visit Comment: CHRIS MOORE // // Clear, warm, nice Hot, humid, dry

Activity: 050720113001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.57	Detected and Quantified	F	Actual				7/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	77.9 µeq/L	Detected and Quantified	F	Actual				8/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	25.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/21/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_AA_Grab	89.67 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	49.133 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	79.3 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	11.264 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	177.603 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	11.206 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	99.632 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	24.985 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	229.367 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	213.723 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.93179	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05072011300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	19 °C	Detected and Quantified	F	Actual				7/20/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 7/27/2005 9:55 AM
Visit Comment: CHRIS MOORE // // Clear, warm Hot, humid

Activity: 050727095501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.51	Detected and Quantified	F	Actual				7/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	80.4 µeq/L	Detected and Quantified	F	Actual				8/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	29.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/28/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	98.602 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	53.084 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	81.736 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	12.288 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	187.032 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	20.27 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	98.987 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	27.382 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	245.71 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	227.039 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

IONRATIO_2PT_IC1_AA_GRAB	0.92401	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05072709550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	20 °C	Detected and Quantified	F	Actual				7/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0507270955TB **Activity Type:** Quality Control Sample-Trip Blank **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** Yes

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.93	Detected and Quantified	F	Actual				7/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-1.3 µeq/L	Detected and Quantified	F	Actual				8/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	0.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/28/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	*Non-detect	*Non-detect	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of -0.2.												
Mg_AA_Grab	*Non-detect	*Non-detect	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.329.												
Na_AA_Grab	*Non-detect	*Non-detect	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of -0.13.												
K_AA_Grab	*Non-detect	*Non-detect	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.009.												

SiO2_TC_Grab	*Non-detect	*Non-detect	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of -0.005.							
NH4_TC_Grab500	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L	9/22/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of -0.055.							
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	*Non-detect	*Non-detect	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.083.							
Cl_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of -0.367.							
T_AL_TC_Grab	*Non-detect	*Non-detect	F	Actual	1.524 ug/l	4.845 ug/l	4/26/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.373.							
SBC_AA_GRAB	1.403 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	-0.4045 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	-0.28831	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 8/3/2005 11:30 AM
Visit Comment: CHRIS MOORE // // Clear, hot Hot, dry

Activity: 050803113001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.33	Detected and Quantified	F	Actual				8/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	94.4 µeq/L	Detected and Quantified	F	Actual				8/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	28.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/5/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	100.349 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	53.577 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	83.694 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	12.544 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	190.767 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	19.964 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	96.554 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	29.215 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	250.164 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	240.133 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

IONRATIO_2PT_IC1_AA_GRAB	0.9599	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05080311300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	19.5 °C	Detected and Quantified	F	Actual				8/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 8/11/2005 11:00 AM
Visit Comment: CHRIS MOORE // // Clear, warm Hot, scattered T-storms

Activity: 050811110001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.46	Detected and Quantified	F	Actual				8/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	87 µeq/L	Detected and Quantified	F	Actual				8/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	30.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/12/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	102.744 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	55.47 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	80.17 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	12.595 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	195.299 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_IC_Grab	25.39 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_IC_Grab	94.89 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_IC_Grab	30.428 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_AA_GRAB	250.979 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC1_GRAB	237.708 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC1_AA_GRAB	0.94712	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 05081111000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	20 °C	Detected and Quantified	F	Actual				8/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** NFDR **Visit Date:** 8/17/2005 12:55 PM

Visit Comment: CHRIS MOORE // // Cloudy, warm Hot, scattered T-storms

Activity: 050817125501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.54	Detected and Quantified	F	Actual				8/18/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	87.8 µeq/L	Detected and Quantified	F	Actual				8/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	29.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/18/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_AA_Grab	102.045 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	54.894 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	77.996 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	12.774 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	193.207 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	27.241 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	94.266 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	29.215 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	247.709 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	238.522 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.96291	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05081712550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	21 °C	Detected and Quantified	F	Actual				8/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 8/24/2005 11:10 AM
Visit Comment: SUSIE MABEN // // Mostly sunny, warm Hot, humid, scattered thunderstorms

Activity: 050824111001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.31	Detected and Quantified	F	Actual				8/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	98.7 µeq/L	Detected and Quantified	F	Actual				8/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	29.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/26/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	105.688 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	57.692 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	85.956 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	13.03 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	204.744 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	27.209 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	92.539 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	29.977 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	262.366 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	248.425 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

IONRATIO_2PT_IC1_AA_GRAB	0.94686	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05082411100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	19.3 °C	Detected and Quantified	F	Actual				8/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 8/29/2005 1:20 PM
Visit Comment: FAD // // Mostly sunny, warm Hot, humid, scattered thunderstorms

Activity: 050829132001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.19	Detected and Quantified	F	Actual				9/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	92.9 µeq/L	Detected and Quantified	F	Actual				9/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	29.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/1/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	105.588 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	56.54 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	84.216 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	12.698 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	203.914 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_IC_Grab	27.467 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	91.957 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	31.02 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	259.042 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	243.344 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.9394	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05082913200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	20 °C	Detected and Quantified	F	Actual				8/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** NFDR **Visit Date:** 9/7/2005 1:00 PM

Visit Comment: FAD // // Warm, mostly sunny Fair, little rain

Activity: 050907130001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.6	Detected and Quantified	F	Actual				9/8/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	88.2 µeq/L	Detected and Quantified	F	Actual				9/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	29.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/8/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_AA_Grab	104.341 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	56.211 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	83.476 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	12.134 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	200.445 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	35.839 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	91.166 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	29.497 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	256.162 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	244.702 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.95526	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05090713000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	17.5 °C	Detected and Quantified	F	Actual				9/7/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

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Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 9/12/2005 12:25 PM
Visit Comment: FAD // // clear, coolish dry

Activity: 050912122501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.53	Detected and Quantified	F	Actual				9/14/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	79.2 µeq/L	Detected and Quantified	F	Actual				9/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	29.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/14/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	108.333 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	58.268 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	85.304 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	12.211 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	203.798 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	35.935 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	91.25 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	29.977 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	264.116 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	236.362 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

IONRATIO_2PT_IC1_AA_GRAB	0.89492	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05091212250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18 °C	Detected and Quantified	F	Actual				9/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 9/19/2005 11:55 AM
Visit Comment: FAD // // Sunny, hot Dry, hot days, cool nights

Activity: 050919115501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.53	Detected and Quantified	F	Actual				9/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	96.1 µeq/L	Detected and Quantified	F	Actual				9/23/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	30 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/21/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	111.227 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	60.49 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	87.914 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	13.056 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	206.371 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_IC_Grab	37.4 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	90.438 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	30.343 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	272.687 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	254.281 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.9325	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05091911550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18.5 °C	Detected and Quantified	F	Actual				9/19/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 9/26/2005 12:05 PM
Visit Comment: FAD // // cloudy Warm, mostly dry

Activity: 050926120501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.45	Detected and Quantified	F	Actual				10/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	100.4 µeq/L	Detected and Quantified	F	Actual				10/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	29 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/30/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_AA_Grab	108.582 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	58.598 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	90.176 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	13.722 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	203.45 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	35.227 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	91.541 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	31.246 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	271.078 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	258.414 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.95328	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05092612050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	19 °C	Detected and Quantified	F	Actual				9/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

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Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 10/3/2005 2:25 PM
Visit Comment: FAD // // cool, clear Dry

Activity: 051003142501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.47	Detected and Quantified	F	Actual				10/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	105.15969 µeq/L	Detected and Quantified	F	Actual				10/7/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	30.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/5/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	114.86317 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	61.91778 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	91.98988 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	12.51801 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	203.599 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	4.00572 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	27.52893 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	91.35155 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	31.7836 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	285.29456 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	255.82377 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.8967	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05100314250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	17 °C	Detected and Quantified	F	Actual				10/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 10/10/2005 1:10 PM
Visit Comment: FAD // // cool, fog tropical storm. 5-7" rain.

Activity: 051010131001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.91	Detected and Quantified	F	Actual				10/20/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	28.55901 µeq/L	Detected and Quantified	F	Actual				10/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	27 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/20/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	98.03161 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	50.32862 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	70.6389 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	10.99173 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	155.21 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/5/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	15.5515 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	116.75196 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	23.20368 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	229.99736 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	184.06615 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.8003	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05101013100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	14.5 °C	Detected and Quantified	F	Actual				10/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** NFDR **Visit Date:** 10/17/2005 1:15 PM

Visit Comment: FAD // // clear, cool mostly dry

Activity: 051017131501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.92	Detected and Quantified	F	Actual				10/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	52.8699 µeq/L	Detected and Quantified	F	Actual			11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	25.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	10/21/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	92.40971 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	52.65533 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	72.00424 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	9.60315 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	161.784 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/5/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	2.22499 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	2.83701 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	113.04265 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	26.28846 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	228.89742 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	195.03802 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.85208	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05101713150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11.5 °C	Detected and Quantified	F	Actual				10/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 10/24/2005 2:00 PM
Visit Comment: FAD // added PINE ISCO battery to solar // cloudy, cool some rain

Activity: 051024140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.33	Detected and Quantified	F	Actual				10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	61.16401 µeq/L	Detected and Quantified	F	Actual				11/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	25.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	93.58642 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	49.96685 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	75.73182 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	9.83313 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	164.772 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/8/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_Grab	106.85018 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/8/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	29.00843 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/8/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	229.12472 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	197.06312 µeq/L	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.86007	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 05102414000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10.5 °C	Detected and Quantified	F	Actual				10/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** NFDR **Visit Date:** 10/31/2005 2:20 PM

Visit Comment: FAD // chart retarded, seemed stuck batteries checked ok // clear, warm some rain one week ago

Activity: 051031142001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.44	Detected and Quantified	F	Actual				11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	41.05519 µeq/L	Detected and Quantified	F	Actual				11/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	24.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	84.27178 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	48.20129 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	73.40704 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	9.35147 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	156.853 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	3.75549 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	114.26652 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	25.05761 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	215.23808 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	184.13481 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.85549	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05103114200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9.5 °C	Detected and Quantified	F	Actual				10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Activity: 0510311420TB **Activity Type:** Quality Control Sample-Trip Blank **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** Yes

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.74	Detected and Quantified	F	Actual				11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	0.31673 µeq/L	Detected and Quantified	F	Actual				11/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	0.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	*Present <QL	*Present <QL	F	Actual	0.468 ueq/L	1.488 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 1.38803.												
Mg_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.218 ueq/L	0.694 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.029 ueq/L	0.091 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.029 ueq/L	0.092 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	*Non-detect	*Non-detect	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.863.												
NH4_Ions_Grab	0.13274 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	2.67466 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	0.48062 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_Grab	*Non-detect	*Non-detect	F	Actual	1.524 ug/l	4.845 ug/l		5/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.312.												

SBC_IC2_GRAB	1.24874 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_2PT_IC2_GRAB	3.51251 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_GRAB	2.81284	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** NFDR **Visit Date:** 11/7/2005 1:00 PM

Visit Comment: FAD // chart not advancing. batteries fine all ~1.43 volts. Could it be moisture in clock? // warm dry

Activity: 051107130001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.54	Detected and Quantified	F	Actual				11/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	60.31112 µeq/L	Detected and Quantified	F	Actual				12/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	24.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/11/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	85.3337 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	42.08798 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	76.37806 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	10.34688 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	161.701 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/14/2007			
Dilution: N	*Recovery:* N	*Correction:* N									
SO4_Ions_Grab	107.99302 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/14/2007			
Dilution: N	*Recovery:* N	*Correction:* N									
Cl_Ions_Grab	28.40457 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/14/2007			
Dilution: N	*Recovery:* N	*Correction:* N									
SBC_IC2_GRAB	214.15312 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_2PT_IC2_GRAB	196.74921 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_GRAB	0.91873	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Activity: 05110713000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10.5 °C	Detected and Quantified	F	Actual				11/7/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 11/14/2005 1:40 PM
Visit Comment: FAD // Stevens battery terminals oxidizing? // cloudy, balmy dry, sun

Activity: 051114134001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.54	Detected and Quantified	F	Actual				11/18/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	63.60663 µeq/L	Detected and Quantified	F	Actual				12/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	24.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/18/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	84.58383 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	50.27035 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	77.2984 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	10.15016 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	163.942 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	106.91695 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	30.07691 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	222.30924 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	200.64099 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.90253	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05111413400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10 °C	Detected and Quantified	F	Actual				11/14/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 11/21/2005 12:20 PM
Visit Comment: FAD // // cloudy, rain cool, some rain

Activity: 051121122001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.55	Detected and Quantified	F	Actual				11/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	56.10748 µeq/L	Detected and Quantified	F	Actual				12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	24.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/28/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	81.26812 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	39.82634 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	76.96341 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	9.05067 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	161.169 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	103.67187 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	29.25243 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	207.11504 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	189.07228 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.91289	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05112112200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	7 °C	Detected and Quantified	F	Actual				11/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 11/28/2005 12:15 PM
Visit Comment: FAD // // Rainy, cold some rain

Activity: 051128121501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.53	Detected and Quantified	F	Actual				11/30/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	47.93325 µeq/L	Detected and Quantified	F	Actual				1/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	24.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/30/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	82.88625 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	45.09638 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	75.24746 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	9.6536 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	153.832 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	1.09554 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	106.02509 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	27.05703 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	212.89019 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	182.11091 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.85542	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05112812150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8 °C	Detected and Quantified	F	Actual				11/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 12/7/2005 12:30 PM
Visit Comment: FAD // // Cold, partly sunny Snow 12/5, large precip. event last week

Activity: 051207123001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.49	Detected and Quantified	F	Actual				12/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	40.31297 µeq/L	Detected and Quantified	F	Actual			1/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	22.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	12/10/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	74.84466 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	42.88943 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	68.61246 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	9.28512 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	160.688 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	84.97426 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	28.20366 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	195.63817 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	153.53139 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.78477	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05120712300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4 °C	Detected and Quantified	F	Actual				12/7/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 12/14/2005 11:20 AM
Visit Comment: CHRIS MOORE, ALLEN SMITH // // Cold, clear Cold, snow

Activity: 051214112001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.2	Detected and Quantified	F	Actual				1/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	36.1665 µeq/L	Detected and Quantified	F	Actual				1/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	22.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/4/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	74.73192 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	42.6775 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	69.36303 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	8.43333 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	162.597 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/26/2007			
Dilution: N	*Recovery:* N	*Correction:* N									
SO4_Ions_Grab	97.91781 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/26/2007			
Dilution: N	*Recovery:* N	*Correction:* N									
Cl_Ions_Grab	28.25436 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/26/2007			
Dilution: N	*Recovery:* N	*Correction:* N									
SBC_IC2_GRAB	195.21228 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_2PT_IC2_GRAB	162.37917 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_GRAB	0.83181	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Activity: 05121411200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	2 °C	Detected and Quantified	F	Actual				12/14/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** NFDR **Visit Date:** 12/22/2005 12:35 PM

Visit Comment: CHRIS MOORE // // Clear, cold, icy Clear, cold, icy

Activity: 051222123501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.27	Detected and Quantified	F	Actual				1/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	37.87149 µeq/L	Detected and Quantified	F	Actual				1/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	22.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/4/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	72.40733 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	41.36727 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	70.96647 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	8.10844 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	166.481 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	96.57609 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	27.95772 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	192.85601 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	162.4458 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.84232	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05122212350F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	2 °C	Detected and Quantified	F	Actual				12/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 12/29/2005 11:55 AM
Visit Comment: CHRIS MOORE // // Rainy, warm Cold, clear

Activity: 051229115501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.46	Detected and Quantified	F	Actual				1/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	42.0161 µeq/L	Detected and Quantified	F	Actual				1/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	23 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/5/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	72.92713 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	41.56027 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	73.54286 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	8.958 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	162.663 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	101.6068 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	25.72067 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	196.99476 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	169.38407 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.85984	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05122911550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6.5 °C	Detected and Quantified	F	Actual				12/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 1/4/2006 11:30 AM
Visit Comment: CHRIS MOORE // // Fog, cloudy, warm Light rain, warm

Activity: 060104113001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.49	Detected and Quantified	F	Actual				1/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	38.66625 µeq/L	Detected and Quantified	F	Actual				1/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	23.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/5/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	77.06175 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	43.52524 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	71.07387 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	8.86138 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	156.206 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	105.86165 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	25.87733 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	200.52874 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	170.44573 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.84998	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06010411300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	5.5 °C	Detected and Quantified	F	Actual				1/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 1/11/2006 2:10 PM
Visit Comment: CHRIS MOORE // // Rain, warm Cloudy, warm

Activity: 060111141001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.58	Detected and Quantified	F	Actual				1/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	43.66575 µeq/L	Detected and Quantified	F	Actual			2/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	23.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	1/13/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	78.68648 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	43.9405 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	71.69269 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	9.03188 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	150.446 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	3.4731 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	102.17067 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	26.55107 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	203.35805 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	175.86059 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.86478	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06011114100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6.5 °C	Detected and Quantified	F	Actual				1/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 1/16/2006 12:10 PM
Visit Comment: FAD // // Clear, cool wind, rain

Activity: 060116121001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.42	Detected and Quantified	F	Actual				1/22/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	33.66675 µeq/L	Detected and Quantified	F	Actual				2/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	23.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/22/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	78.90387 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	44.3904 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	69.84498 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	8.80272 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	150.014 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	7.01058 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	108.78185 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	26.03901 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	201.94847 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	175.49819 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.86902	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06011612100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4 °C	Detected and Quantified	F	Actual				1/16/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 1/23/2006 12:50 PM
Visit Comment: FAD // // Cold, rainy warm, rain

Activity: 060123125001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.4	Detected and Quantified	F	Actual				2/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	36.1665 µeq/L	Detected and Quantified	F	Actual				2/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	22.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	75.98189 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	42.62466 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	70.07513 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	8.78379 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	151.99 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	2.47154 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	102.50689 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	27.3266 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	197.47197 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	168.47153 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.85314	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06012312500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	5 °C	Detected and Quantified	F	Actual				1/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 1/30/2006 1:25 PM
Visit Comment: FAD // // clear, warm some rainy days

Activity: 060130132501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.61	Detected and Quantified	F	Actual				2/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	42.0161 µeq/L	Detected and Quantified	F	Actual				2/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	23 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	73.74412 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	41.4507 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	71.75487 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	8.86624 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	158.53 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	1.15404 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	100.53273 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	28.31191 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	195.82243 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	172.01478 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.87842	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06013013250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6 °C	Detected and Quantified	F	Actual				1/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0601301325TB **Activity Type:** Quality Control Sample-Trip Blank **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** Yes

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.81	Detected and Quantified	F	Actual				2/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-1.32972 µeq/L	Detected and Quantified	F	Actual				2/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	0.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	*Present <QL	*Present <QL	F	Actual	0.468 ueq/L	1.488 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.86841.												
Mg_Ions_Grab	0.81881 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	0.37881 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	0.38194 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	*Non-detect	*Non-detect	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.913.							
NH4_Ions_Grab	0.14957 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	2.66801 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	0.44313 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	*Non-detect	*Non-detect	F	Actual	1.524 ug/l	4.845 ug/l	5/23/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.99.							
SBC_IC2_GRAB	2.70713 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	1.82192 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.67301	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 2/6/2006 11:15 AM
Visit Comment: FAD // // Clear, cold, windy Some rain

Activity: 060206111501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.53	Detected and Quantified	F	Actual				2/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	36.10976 µeq/L	Detected and Quantified	F	Actual				2/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	23.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	2/8/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	76.11586 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	43.09248 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	70.01395 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	8.45143 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	150.446 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	3.86136 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	103.80661 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	27.17179 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	197.68022 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	170.94952 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.86478	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06020611150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4.5 °C	Detected and Quantified	F	Actual				2/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 2/13/2006 11:30 AM
Visit Comment: FAD // // clear, Cold Cold, significant snow (4-10" from south to north)

Activity: 060213113001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.54	Detected and Quantified	F	Actual				2/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	39.39835 µeq/L	Detected and Quantified	F	Actual				2/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	22.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/15/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	73.52675 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	41.75649 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	70.57435 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	7.75577 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	153.351 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	101.27872 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	27.89361 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	193.61986 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC2_GRAB	168.61118 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.87084	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06021311300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	2 °C	Detected and Quantified	F	Actual				2/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 2/20/2006 1:50 PM
Visit Comment: FAD // // clear, cold cold

Activity: 060220135001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.54	Detected and Quantified	F	Actual				2/21/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	38.60948 µeq/L	Detected and Quantified	F	Actual				2/21/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	22.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/21/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	71.26727 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	41.05773 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	72.19039 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_Grab	7.86626 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	155.426 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	99.33694 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	27.21569 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	192.38815 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	165.20261 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.85869	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06022013500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	3 °C	Detected and Quantified	F	Actual				2/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 2/27/2006 2:20 PM
Visit Comment: SUSIE MABEN // // Partly cloudy, cold Clouds & sun, some precip.

Activity: 060227142001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.57	Detected and Quantified	F	Actual				3/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	40.37123 µeq/L	Detected and Quantified	F	Actual				3/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	22.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/1/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	70.12876 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	40.76839 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	72.57521 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	7.45305 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	154.397 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	10.38787 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	99.04047 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	28.96009 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	190.93191 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	178.75966 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.93625	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06022714200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	2.3 °C	Detected and Quantified	F	Actual				2/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 3/6/2006 12:00 PM
Visit Comment: SUSIE MABEN // // Cloudy, light snow Mostly sunny, cool

Activity: 060306120001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.55	Detected and Quantified	F	Actual				3/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	47.18563 µeq/L	Detected and Quantified	F	Actual				3/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	22.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/8/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	71.47278 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	41.06627 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	73.68426 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	7.9556 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	155.11 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	95.72341 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	29.20142 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	194.18541 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	172.15096 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.88653	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06030612000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	3 °C	Detected and Quantified	F	Actual				3/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 3/13/2006 10:50 AM
Visit Comment: FAD // // clear, warm. Dry.

Activity: 060313105001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.62	Detected and Quantified	F	Actual				3/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	55.36963 µeq/L	Detected and Quantified	F	Actual			3/15/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	23.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	3/15/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	72.90932 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	41.13653 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	76.44609 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	9.11361 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	159.078 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	3.14231 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	92.53125 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	29.2246 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	199.61205 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	180.26779 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.90309	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06031310500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8.5 °C	Detected and Quantified	F	Actual				3/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 3/20/2006 1:30 PM
Visit Comment: SUSIE MABEN // // Cool, overcast Dry, cool

Activity: 060320133001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.57	Detected and Quantified	F	Actual				3/22/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	48.60834 µeq/L	Detected and Quantified	F	Actual				3/22/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	23 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/22/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	73.0451 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	41.87355 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	75.66147 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	8.29671 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	162.265 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	0.95491 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	93.59713 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	28.80877 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	198.88333 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	171.96915 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.86467	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06032013300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	5.7 °C	Detected and Quantified	F	Actual				3/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 3/27/2006 1:40 PM
Visit Comment: FAD // // clear, 60 Cold, mostly dry

Activity: 060327134001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.57	Detected and Quantified	F	Actual				3/29/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	48.66526 µeq/L	Detected and Quantified	F	Actual				3/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	23 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/29/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	74.42009 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	42.31411 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	75.87891 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	8.47114 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	158.015 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	0.17427 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	3.55 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	94.64146 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	28.6534 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	201.25852 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	175.51012 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.87206	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06032713400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6 °C	Detected and Quantified	F	Actual				3/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 4/3/2006 2:05 PM
Visit Comment: SUSIE MABEN // // Warm, sun & clouds, a few sprinkles Warm, mostly dry

Activity: 060403140501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.61	Detected and Quantified	F	Actual				4/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	61.10692 µeq/L	Detected and Quantified	F	Actual				4/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	24.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/5/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	76.44817 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	42.93645 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	79.47781 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	9.33032 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	167.444 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	0.21835 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	10.16841 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	92.83508 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	29.2327 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	208.4111 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	193.34311 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.9277	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06040314050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11.5 °C	Detected and Quantified	F	Actual				4/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 4/10/2006 11:25 AM
Visit Comment: FAD // // clear, cool some rain

Activity: 060410112501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.55	Detected and Quantified	F	Actual				4/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	54.39674 µeq/L	Detected and Quantified	F	Actual				4/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	24.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/12/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	80.93346 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	45.5479 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	78.31458 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	9.21961 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	166.863 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	0.52336 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	3.9268 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	95.08062 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	28.28023 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	214.53891 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	181.68439 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.84686	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06041011250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	7 °C	Detected and Quantified	F	Actual				4/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** NFDR **Visit Date:** 4/18/2006 2:10 PM

Visit Comment: SUSIE MABEN // // Sunny, mild Mild, some thunderstorms and rain

Activity: 060418141001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.34	Detected and Quantified	F	Actual				4/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	48.60834 µeq/L	Detected and Quantified	F	Actual			4/24/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	25 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	4/24/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	82.99289 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	46.29206 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	77.50002 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	9.9238 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	163.543 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	1.26352 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	94.57758 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	26.52769 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	216.71527 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	170.97713 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.78895	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06041814100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11.8 °C	Detected and Quantified	F	Actual				4/18/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 4/24/2006 11:15 AM
Visit Comment: FAD // // clear, cool Mild, some thunderstorms and rain

Activity: 060424111501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.6	Detected and Quantified	F	Actual				4/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	44.68591 µeq/L	Detected and Quantified	F	Actual				5/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	24.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/26/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	83.96258 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	46.6524 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	73.12564 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	9.82041 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	153.832 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	6.8058 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	107.90198 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	26.7284 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	213.56753 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	186.12209 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.87149	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06042411150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10.5 °C	Detected and Quantified	F	Actual				4/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** NFDR **Visit Date:** 5/1/2006 11:05 AM

Visit Comment: FAD // // clear, Cool. nice

Activity: 060501110501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.6	Detected and Quantified	F	Actual				5/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	50.43295 µeq/L	Detected and Quantified	F	Actual				5/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	24.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	82.48463 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	45.54492 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	74.55426 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	9.17613 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	158.148 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	103.18343 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	27.84145 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	211.76644 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	181.49833 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.85707	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06050111050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9 °C	Detected and Quantified	F	Actual				5/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 5/8/2006 11:10 AM
Visit Comment: FAD // need new pen // cloudy, cold. some rain

Activity: 060508111001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.66	Detected and Quantified	F	Actual				5/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	59.2157 µeq/L	Detected and Quantified	F	Actual				5/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	24.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/11/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	84.15483 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	46.06972 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	75.60048 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	9.53495 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	165.934 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	101.54551 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	29.84802 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	215.36648 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	190.64973 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.88523	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06050811100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10 °C	Detected and Quantified	F	Actual				5/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 5/15/2006 10:40 AM
Visit Comment: FAD, CWM // // cloudy, warm scattered t-storms, warm

Activity: 060515104001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.63	Detected and Quantified	F	Actual				5/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	56.89648 µeq/L	Detected and Quantified	F	Actual				5/18/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	24.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/17/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	85.93503 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	46.83247 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	75.35788 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	10.12702 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	159.111 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	0.20264 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	3.38657 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	96.78329 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	27.56216 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	218.45504 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	184.6285 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.84516	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06051510400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11 °C	Detected and Quantified	F	Actual				5/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 5/24/2006 10:45 AM
Visit Comment: CHRIS MOORE // // Clear, cool Clear, dry, cool

Activity: 060524104501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.58	Detected and Quantified	F	Actual				5/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	53.55577 µeq/L	Detected and Quantified	F	Actual			6/1/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	24.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	5/25/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	81.05367 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	45.30403 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	74.15589 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	8.85418 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	160.821 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	0.31921 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	103.71504 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	29.61521 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	209.68698 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	186.92652 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.89146	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06052410450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10 °C	Detected and Quantified	F	Actual				5/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 5/31/2006 9:35 AM
Visit Comment: CHRIS MOORE // // Hot, humid Clear, warm, dry

Activity: 060531093501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.57	Detected and Quantified	F	Actual				6/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	71.10578 µeq/L	Detected and Quantified	F	Actual				6/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	25.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		6/1/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	91.05353 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	50.13014 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	79.86403 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	10.8302 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	172.059 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	10.04481 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	100.29883 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	31.78515 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	231.8844 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	213.23457 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.91957	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06053109350F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	15.5 °C	Detected and Quantified	F	Actual				5/31/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** NFDR **Visit Date:** 6/6/2006 1:15 PM

Visit Comment: SUSIE MABEN // // Mostly sunny, warm Warm, scattered thunderstorms

Activity: 060606131501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.61	Detected and Quantified	F	Actual				6/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	72.80996 µeq/L	Detected and Quantified	F	Actual				6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	25.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		6/8/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	90.17247 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	49.87653 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	80.83612 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	10.63448 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	177.006 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	95.1289 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	32.5259 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	231.5261 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	200.50526 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.86602	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06060613150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	14.5 °C	Detected and Quantified	F	Actual				6/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 6/13/2006 12:20 PM
Visit Comment: CHRIS MOORE // // Clear, cool to warm Cool, scattered T-storms

Activity: 060613122001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.26	Detected and Quantified	F	Actual				6/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	76.89435 µeq/L	Detected and Quantified	F	Actual				6/29/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	26.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		6/27/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	92.31113 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	51.05206 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	82.09427 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	10.79564 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	180.093 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	7.69627 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	93.94942 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	33.23021 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	236.2596 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	211.77025 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.89635	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06061312200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	14.5 °C	Detected and Quantified	F	Actual				6/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 6/20/2006 1:20 PM
Visit Comment: CHRIS MOORE // // Warm to hot, clear to hazy Hot, clear

Activity: 060620132001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.19	Detected and Quantified	F	Actual				6/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	83.6618 µeq/L	Detected and Quantified	F	Actual				6/29/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	28.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		6/27/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	98.18731 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	53.89503 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	86.19416 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	12.05504 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	189.954 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	1.74193 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	6.00873 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	78.05505 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	33.52839 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	252.07347 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	201.25397 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.79839	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06062013200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18 °C	Detected and Quantified	F	Actual				6/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** NFDR **Visit Date:** 6/27/2006 2:00 PM

Visit Comment: CHRIS MOORE // // Hot, humid, raining Hot, humid, rain

Activity: 060627140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.14	Detected and Quantified	F	Actual				7/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	63.82326 µeq/L	Detected and Quantified	F	Actual			7/10/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	25.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	7/3/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	90.97811 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	48.01276 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	71.79822 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	12.03911 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	152.272 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	3.49985 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	5.59608 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	89.23258 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	21.3324 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	226.32805 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	179.98432 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.79524	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06062714000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	17 °C	Detected and Quantified	F	Actual				6/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 7/5/2006 10:05 AM
Visit Comment: CHRIS MOORE // // Raining, warm Hot, scattered T-storms

Activity: 060705100501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.56	Detected and Quantified	F	Actual				7/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	66.16352 µeq/L	Detected and Quantified	F	Actual				7/18/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	25.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/6/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	87.56467 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	47.72184 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	73.1453 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	10.32133 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	164.855 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/18/2007			
Dilution: N	*Recovery:* N	*Correction:* N									
SO4_Ions_Grab	89.40359 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/18/2007			
Dilution: N	*Recovery:* N	*Correction:* N									
Cl_Ions_Grab	29.49971 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/18/2007			
Dilution: N	*Recovery:* N	*Correction:* N									
SBC_IC2_GRAB	218.75964 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_2PT_IC2_GRAB	185.10732 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_GRAB	0.84617	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Activity: 06070510050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	16.5 °C	Detected and Quantified	F	Actual				7/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 7/11/2006 10:20 AM
Visit Comment: CHRIS MOORE, FRANK DEVINEY // // Clear, warm Warm, scattered T-storms

Activity: 060711102001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.56	Detected and Quantified	F	Actual				7/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	60.3691 µeq/L	Detected and Quantified	F	Actual				7/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	24.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/14/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	85.63905 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	46.63281 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	73.66326 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	9.5055 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	164.34 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	105.85482 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	28.1776 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	215.44712 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	194.44202 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.9025	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06071110200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	15 °C	Detected and Quantified	F	Actual				7/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 7/18/2006 1:15 PM
Visit Comment: CHRIS MOORE // // Hot, humid Hot, scattered T-storms

Activity: 060718131501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.58	Detected and Quantified	F	Actual				7/19/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	72.80996 µeq/L	Detected and Quantified	F	Actual				8/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	25 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/19/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	87.17599 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	47.63065 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	77.2318 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	10.48213 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	173.105 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	98.34662 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	28.80244 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	222.52707 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	199.99952 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.89876	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06071813150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18 °C	Detected and Quantified	F	Actual				7/18/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 7/25/2006 10:55 AM
Visit Comment: CHRIS MOORE // // Warm, scattered T-storms Hot, scattered T-storms

Activity: 060725105501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.23	Detected and Quantified	F	Actual				8/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	82.80904 µeq/L	Detected and Quantified	F	Actual				8/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	26.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/8/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	93.94128 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	50.47484 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	79.60259 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	10.65931 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	176.807 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	96.84039 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	29.65179 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	234.68452 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	209.34172 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.89201	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06072510550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	17.5 °C	Detected and Quantified	F	Actual				7/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0607251055TB **Activity Type:** Quality Control Sample-Trip Blank **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** Yes

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.85	Detected and Quantified	F	Actual				8/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-1.32972 µeq/L	Detected and Quantified	F	Actual				8/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	0.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	8/8/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	*Present <QL	*Present <QL	F	Actual	0.468 ueq/L	1.488 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 1.34686.							
Mg_Ions_Grab	0.92856 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	0.32068 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	0.34271 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	*Non-detect	*Non-detect	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.432.							
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	1.65935 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	0.39274 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	*Present <QL	*Present <QL	F	Actual	1.524 ug/l	4.845 ug/l	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 2.26.							
SBC_IC2_GRAB	2.57645 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	0.76287 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.29609	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** NFDR **Visit Date:** 8/1/2006 12:50 PM

Visit Comment: CHRIS MOORE // Sample was collected in two 250mL bottles. // Hot, heat advisory Hot, scattered T-storms

Activity: 060801125001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.32	Detected and Quantified	F	Actual				8/16/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	78.55256 µeq/L	Detected and Quantified	F	Actual				8/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	26.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/16/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	99.93784 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	52.85925 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	82.24735 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	11.67539 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	185.737 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	19.85523 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	97.19453 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	31.97991 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	246.72633 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	227.58223 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.92241	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06080112500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	20 °C	Detected and Quantified	F	Actual				8/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 8/8/2006 2:00 PM
Visit Comment: CHRIS MOORE // // Warm, humid, scattered T-storms Hot, scattered T-storms

Activity: 060808140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.37	Detected and Quantified	F	Actual				8/16/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	88.55129 µeq/L	Detected and Quantified	F	Actual				8/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	28.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/16/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	99.54708 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/23/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	53.80485 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/23/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	85.52927 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/23/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	12.40721 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/23/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	193.506 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	3.93229 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	8.75793 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	95.03357 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	33.70428 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	255.2207 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	226.04707 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.88569	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06080814000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	21 °C	Detected and Quantified	F	Actual				8/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** NFDR **Visit Date:** 8/15/2006 1:50 PM

Visit Comment: CHRIS MOORE // // Warm, nice, cloudy to partly cloudy Warm, scattered T-storms

Activity: 060815135001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.51	Detected and Quantified	F	Actual				8/16/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	91.53608 µeq/L	Detected and Quantified	F	Actual			8/30/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	29.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	8/16/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	103.31724 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	56.25688 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	87.10906 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/25/2007
Dilution: Y	*Recovery:* N	*Correction:* N					
K_Ions_Grab	12.27281 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	196.544 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	14.00476 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	93.47719 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	34.77221 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	258.96249 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	233.79024 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.9028	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06081513500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	20 °C	Detected and Quantified	F	Actual				8/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 8/22/2006 10:25 AM
Visit Comment: FAD // // warm, clear dry

Activity: 060822102501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.52	Detected and Quantified	F	Actual				8/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	102.80722 µeq/L	Detected and Quantified	F	Actual				10/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	30.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/23/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	107.54507 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/23/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	58.33108 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/23/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	89.3801 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/25/2007				
Dilution: Y	*Recovery:* N	*Correction:* N										
K_Ions_Grab	12.57329 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/23/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	199.167 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	7.19292 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		7/23/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	14.22052 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	84.71378 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	36.09077 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	275.02246 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	237.83229 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.86477	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06082210250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	19 °C	Detected and Quantified	F	Actual				8/22/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 8/28/2006 10:55 AM
Visit Comment: FAD // // Sunny, hot Hot & dry

Activity: 060828105501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.51	Detected and Quantified	F	Actual				8/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	111.15911 µeq/L	Detected and Quantified	F	Actual				10/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	31.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/30/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	113.6811 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	61.1785 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	92.24546 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/25/2007
Dilution: Y	*Recovery:* N	*Correction:* N					
K_Ions_Grab	13.54406 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	206.487 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	1.74982 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	14.3467 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	92.09364 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	37.47549 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	282.39894 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	255.07494 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.90324	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06082810550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	21 °C	Detected and Quantified	F	Actual				8/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 9/5/2006 11:15 AM
Visit Comment: FAD // // rainy, cool 4-8" rain from a tropical system

Activity: 060905111501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.23	Detected and Quantified	F	Actual				9/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	53.66476 µeq/L	Detected and Quantified	F	Actual				10/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	23.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/13/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	80.33438 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	43.64507 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	67.36553 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	10.17313 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	158.181 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	98.07605 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	23.28487 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	201.52461 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	175.06618 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.86871	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06090511150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	15 °C	Detected and Quantified	F	Actual				9/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 9/13/2006 10:40 AM
Visit Comment: FAD // // drizzly some rain

Activity: 060913104001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.56	Detected and Quantified	F	Actual				9/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	65.36857 µeq/L	Detected and Quantified	F	Actual				10/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	24.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/14/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	80.8627 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	44.94576 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	75.86982 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	9.62837 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	175.047 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	85.4562 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	29.4159 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	211.31315 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	180.28117 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.85315	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06091310400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	14.5 °C	Detected and Quantified	F	Actual				9/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 9/20/2006 10:50 AM
Visit Comment: FAD // // cool Mild; some rainy, cloudy days

Activity: 060920105001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.6	Detected and Quantified	F	Actual				9/22/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	68.60607 µeq/L	Detected and Quantified	F	Actual			10/14/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	24.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	9/22/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	79.19386 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	44.7346 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	78.58784 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	9.71324 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	180.625 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	77.0557 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	31.44861 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	212.23604 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	177.15088 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.83469	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06092010500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	15 °C	Detected and Quantified	F	Actual				9/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 9/27/2006 10:40 AM
Visit Comment: FAD // // clear. cool Fair, a few light showers. mostly dry

Activity: 060927104001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.46	Detected and Quantified	F	Actual				10/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	76.89435 µeq/L	Detected and Quantified	F	Actual				10/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	25.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	85.71567 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	47.55133 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	80.48933 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	9.91815 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	182.65 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/25/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_Grab	87.44464 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/25/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	32.82297 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/25/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	223.68098 µeq/L	Detected and Quantified	F	Actual			2/6/2008	
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	197.20246 µeq/L	Detected and Quantified	F	Actual			2/18/2008	
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.88162	Detected and Quantified	F	Actual			2/18/2008	
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06092710400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	14.5 °C	Detected and Quantified	F	Actual				9/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 10/4/2006 11:35 AM
Visit Comment: FAD // //clear,
Warm, mostly sunny
Fair, some showers

Activity: 061004113501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.6661	Detected and Quantified	F	Actual				10/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.65	Detected and Quantified	F	Actual				10/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Metrohm_Grab	85.77946 µeq/L	Detected and Quantified	F	Actual			10/5/2006
Dilution: N	*Recovery:* N	*Correction:* N					
ANC_Manual_Grab	81.10466 µeq/L	Detected and Quantified	F	Actual			10/18/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	26 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	10/5/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	90.44137 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	49.77899 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	82.41535 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	10.43167 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	186.401 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	91.93962 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	33.0033 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	233.07388 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	206.08808 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.88422	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	210.76288 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

IONRATIO_MET_IC2_GRAB	0.90427	Detected and Quantified	F	Actual				4/23/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06100411350F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	15 °C	Detected and Quantified	F	Actual				10/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 10/11/2006 11:30 AM
Visit Comment: SUSIE MABEN //
//Mostly cloudy, mild
Rain event, mild

Activity: 061011113001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.4487	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.6	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	54.62553 µeq/L	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	50.31204 µeq/L	Detected and Quantified	F	Actual				10/19/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	23.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	81.67054 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	45.10201 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Na_Ions_Grab	71.68462 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	9.67591 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	163.344 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	3.97053 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	109.38825 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	26.51141 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	208.13958 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	190.18223 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.91372	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	194.49572 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.93445	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06101111300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	13.8 °C	Detected and Quantified	F	Actual				10/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 10/19/2006 11:00 AM
Visit Comment: FAD //clear,
warm
< 1" rain

Activity: 061019110001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.5281	Detected and Quantified	F	Actual				10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.61	Detected and Quantified	F	Actual				10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	70.49126 µeq/L	Detected and Quantified	F	Actual				10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	65.31065 µeq/L	Detected and Quantified	F	Actual				10/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	24.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	82.57313 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	46.20871 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	76.23951 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	10.00801 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	167.776 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	0.69382 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	101.86557 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	31.15371 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	215.03586 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	199.02375 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.92554	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	204.20436 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.94963	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06101911000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12.5 °C	Detected and Quantified	F	Actual				10/19/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 10/25/2006 11:00 AM
Visit Comment: FAD // //Cold,
windy, cloudy
Cool, mostly fair

Activity: 061025110001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.5151	Detected and Quantified	F	Actual				10/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.62	Detected and Quantified	F	Actual				10/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	60.8773 µeq/L	Detected and Quantified	F	Actual				10/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	58.6072 µeq/L	Detected and Quantified	F	Actual				10/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	23.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/26/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	77.97287 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	44.3583 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	74.06934 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	8.96615 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	166.382 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	102.36978 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	30.48742 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	205.37316 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	191.5049 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.93247	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	193.775 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.94353	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06102511000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	7 °C	Detected and Quantified	F	Actual				10/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0610251100TB **Activity Type:** Quality Control Sample-Trip Blank **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** Yes

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	5.7867	Detected and Quantified	F	Actual				10/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	5.98	Detected and Quantified	F	Actual				10/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	-1.13626 µeq/L	Detected and Quantified	F	Actual				10/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	1.17003 µeq/L	Detected and Quantified	F	Actual			10/26/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	*Present <QL	*Present <QL	F	Actual	0.162 uS/cm	0.515 uS/cm	10/26/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Result Comment: Reported value of 0.5.							
Ca_Ions_Grab	*Present <QL	*Present <QL	F	Actual	0.468 ueq/L	1.488 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.92996.							
Mg_Ions_Grab	0.8497 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	0.38054 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	0.39789 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	*Present <QL	*Present <QL	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 1.112.							
NH4_Ions_Grab	0.14729 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.31 ueq/L	0.986 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	0.58127 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	*Non-detect	*Non-detect	F	Actual	1.524 ug/l	4.845 ug/l	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.256.							
SBC_IC2_GRAB	2.75342 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	1.9468 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

IONRATIO_2PT_IC2_GRAB	0.70705	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_MET_IC2_GRAB	-0.35949 µeq/L	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_MET_IC2_GRAB	-0.13056	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 11/1/2006 10:50 AM
Visit Comment: FAD // //warm,
clear
warm, some rain

Activity: 061101105001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.5058	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.54	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	72.60534 µeq/L	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	58.66426 µeq/L	Detected and Quantified	F	Actual				11/21/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	24.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	80.07376 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	45.45456 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	74.94209 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_Grab	10.25158 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	163.344 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	102.86271 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	29.9656 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	210.72849 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	191.53307 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.90891	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	205.47415 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.97507	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06110110500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10 °C	Detected and Quantified	F	Actual				11/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 11/8/2006 11:05 AM
Visit Comment: FAD // //rainin
seasonal

Activity: 061108110501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.3326	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	45.72793 µeq/L	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	26.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	87.45 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/3/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	50.03419 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/3/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	68.50447 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/3/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	12.8631 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/3/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	139.158 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/3/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	6.04765 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		8/3/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	92.27529 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/3/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	25.5725 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/3/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	218.85826 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_MET_IC2_GRAB	169.62337 µeq/L	Detected and Quantified	F	Actual				4/23/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_MET_IC2_GRAB	0.77504	Detected and Quantified	F	Actual				4/23/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06110811050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9.5 °C	Detected and Quantified	F	Actual				11/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 11/15/2006 12:05 PM
Visit Comment: FAD //clear.
cool
several rain events last week

Activity: 061115120501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.5317	Detected and Quantified	F	Actual				11/21/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	52.33134 µeq/L	Detected and Quantified	F	Actual				11/21/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	24.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/21/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	75.0059 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_Grab	43.0403 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	71.1137 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	9.48568 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	160.057 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	0.91578 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	103.22084 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	26.33647 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	198.65208 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	182.80443 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.92022	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06111512050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9.5 °C	Detected and Quantified	F	Actual				11/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 11/22/2006 12:15 PM
Visit Comment: FAD //
//cloudy, cool. later rain
significant rain end of last week

Activity: 061122121501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.4874	Detected and Quantified	F	Actual				11/29/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	50.42745 µeq/L	Detected and Quantified	F	Actual				11/29/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	22.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/29/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	71.61723 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	41.32386 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	70.34813 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	8.84707 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	163.195 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	1.76935 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	99.33821 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	26.7232 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	192.14279 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_MET_IC2_GRAB	178.25821 µeq/L	Detected and Quantified	F	Actual				4/23/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_MET_IC2_GRAB	0.92774	Detected and Quantified	F	Actual				4/23/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06112212150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6.5 °C	Detected and Quantified	F	Actual				11/22/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 11/29/2006 12:35 PM
Visit Comment: FAD // //clear,
mild
significant rain

Activity: 061129123501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.6093	Detected and Quantified	F	Actual				12/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	55.49683 µeq/L	Detected and Quantified	F	Actual				12/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	23.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		12/1/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	73.1694 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	41.70075 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Na_Ions_Grab	72.22109 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	9.40788 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	163.078 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	1.28345 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	96.73168 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	26.01345 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	196.50562 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	179.52541 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.91359	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06112912350F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9.5 °C	Detected and Quantified	F	Actual				11/29/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 12/6/2006 12:55 PM
Visit Comment: FAD //clear,
cold
light rain on Friday

Activity: 061206125501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.5	Detected and Quantified	F	Actual				12/7/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	49.98115 µeq/L	Detected and Quantified	F	Actual				12/7/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	23 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		12/7/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	70.27777 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	40.75892 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	71.72983 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	8.31375 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	166.432 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	4.64992 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	91.15347 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	27.46949 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	191.08677 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_MET_IC2_GRAB	173.25403 µeq/L	Detected and Quantified	F	Actual				4/23/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_MET_IC2_GRAB	0.90668	Detected and Quantified	F	Actual				4/23/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06120612550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	5 °C	Detected and Quantified	F	Actual				12/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 12/13/2006 10:05 AM
Visit Comment: FAD //clear,
mild
light rain last night

Activity: 061213100501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.5352	Detected and Quantified	F	Actual				12/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	54.90811 µeq/L	Detected and Quantified	F	Actual				12/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	23.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		12/14/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	73.85119 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	42.29866 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Na_Ions_Grab	74.00567 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	8.38015 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	166.1 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	2.78646 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	92.93891 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	28.35327 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	198.54217 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	178.98675 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.9015	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06121310050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6 °C	Detected and Quantified	F	Actual				12/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 12/20/2006 11:30 AM
Visit Comment: FAD //bumped recorder before reading it.
//clear, cold
mild, dry

Activity: 061220113001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.0704	Detected and Quantified	F	Actual				1/4/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	55.06772 µeq/L	Detected and Quantified	F	Actual				1/4/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	23.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/4/2007				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	73.44449 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	42.02492 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	75.65562 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	8.26974 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	169.768 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	2.84009 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	82.96855 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	28.79959 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	199.40127 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_MET_IC2_GRAB	169.67595 µeq/L	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_MET_IC2_GRAB	0.85093	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Activity: 06122011300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	7 °C	Detected and Quantified	F	Actual				12/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** NFDR **Visit Date:** 12/28/2006 10:30 AM
Visit Comment: FAD // //clear,
cool.
some rain

Activity: 061228103001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.2913	Detected and Quantified	F	Actual				1/4/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	45.96947 µeq/L	Detected and Quantified	F	Actual				1/4/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	23.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/4/2007				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	73.78208 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	42.06005 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Na_Ions_Grab	71.06379 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	8.18505 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	155.575 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	7.54036 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	102.74827 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	25.01971 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	195.09747 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	181.27781 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.92917	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06122810300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6.5 °C	Detected and Quantified	F	Actual				12/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

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Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 1/4/2005 2:15 PM
Visit Comment: SUSIE MABEN // // Unseasonably warm, partly cloudy Dry

Activity: 050104141501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.82	Detected and Quantified	F	Actual				1/6/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	1.9 µeq/L	Detected and Quantified	F	Actual				1/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/6/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	26.796 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	45.923 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	21.794 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	42.394 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	84.859 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		2/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.048.												
SO4_IC_Grab	110.781 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	21.46 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	136.907 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	134.2415 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.98053	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05010414150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11 °C	Detected and Quantified	F	Actual				1/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 1/11/2005 2:35 PM
Visit Comment: SUSIE MABEN // // Cloudy, warm Unseasonably warm, some rain

Activity: 050111143501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.86	Detected and Quantified	F	Actual				1/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	3.3 µeq/L	Detected and Quantified	F	Actual				1/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/13/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	28.193 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	47.24 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	21.924 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	42.163 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	83.415 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	2/23/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.08.							
SO4_IC_Grab	111.197 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	21.573 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	139.52 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	136.1705 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.97599	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05011114350F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8.7 °C	Detected and Quantified	F	Actual				1/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 1/14/2005 8:00 AM
Visit Comment: // //

Activity: 050114080001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.48	Detected and Quantified	F	Actual				1/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	1.9 µeq/L	Detected and Quantified	F	Actual				1/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_AutoStream	19.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	1/22/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_AutoStream	29.84 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_AutoStream	48.146 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_AutoStream	20.924 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_AutoStream	45.082 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	84.892 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	2/23/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_TC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L	9/19/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.055.							
NO3_IC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.08.							
SO4_IC_AutoStream	115.918 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	21.432 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	30.836 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/11/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	143.992 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	139.3505 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.96777	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

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Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 1/14/2005 12:00 PM
Visit Comment: // //

Activity: 050114120001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.59	Detected and Quantified	F	Actual				1/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	1.9 µeq/L	Detected and Quantified	F	Actual				1/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/22/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	30.239 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_AutoStream	49.874 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_AutoStream	21.098 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_AutoStream	46.797 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	86.602 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		2/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_TC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/19/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.111.												
NO3_IC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.08.												
SO4_IC_AutoStream	110.094 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_AutoStream	21.235 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

T_AL_TC_AutoStream	26.393 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/11/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	148.008 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	133.3295 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.90083	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 1/14/2005 2:00 PM
Visit Comment: // //

Activity: 050114140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.61	Detected and Quantified	F	Actual				1/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	3.3 µeq/L	Detected and Quantified	F	Actual				1/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/22/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	31.088 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_AutoStream	50.944 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_AutoStream	21.184 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_AutoStream	47.539 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	86.967 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		2/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NH4_TC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L	9/19/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.055.							
NO3_IC_AutoStream	2.254 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_AutoStream	111.134 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	21.009 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	24.814 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/11/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	150.755 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	137.697 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.91338	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 1/14/2005 4:00 PM
Visit Comment: // //

Activity: 050114160001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.59	Detected and Quantified	F	Actual				1/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	3.3 µeq/L	Detected and Quantified	F	Actual				1/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	21 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/22/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_AA_AutoStream	31.487 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_AutoStream	51.355 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_AutoStream	21.228 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_AutoStream	47.488 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	87.565 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	2/23/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_TC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L	9/19/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.111.							
NO3_IC_AutoStream	8.469 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_AutoStream	112.736 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	21.799 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	23.286 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/11/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	151.558 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	146.304 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.96533	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 1/14/2005 6:00 PM
Visit Comment: // //

Activity: 050114180001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.61	Detected and Quantified	F	Actual				1/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	2.1 µeq/L	Detected and Quantified	F	Actual				1/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	21 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/22/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	31.188 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_AutoStream	52.343 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_AutoStream	21.01 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_AutoStream	47.846 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	87.167 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		2/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_TC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/19/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.055.												
NO3_IC_AutoStream	7.036 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_AutoStream	113.36 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_AutoStream	21.545 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

T_AL_TC_AutoStream	22.354 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/11/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	152.387 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	144.041 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.94523	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 1/14/2005 8:00 PM
Visit Comment: // //

Activity: 050114200001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.59	Detected and Quantified	F	Actual				1/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	1.2 µeq/L	Detected and Quantified	F	Actual				1/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	21.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/22/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	33.782 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_AutoStream	51.767 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_AutoStream	21.228 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_AutoStream	47.411 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	90.022 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		2/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NH4_TC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L	9/19/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.055.							
NO3_IC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.064.							
SO4_IC_AutoStream	112.986 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	21.686 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	21.527 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/11/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	154.188 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	135.9725 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.88186	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 1/14/2005 10:00 AM
Visit Comment: // //

Activity: 050114100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.56	Detected and Quantified	F	Actual				1/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	1.9 µeq/L	Detected and Quantified	F	Actual				1/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/22/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_AA_AutoStream	29.641 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_AutoStream	49.133 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_AutoStream	20.967 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_AutoStream	46.106 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	86.038 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	2/23/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_TC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L	9/19/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.111.							
NO3_IC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.08.							
SO4_IC_AutoStream	109.283 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	21.404 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	28.218 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/11/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	145.847 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	132.6875 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.90977	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

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Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 1/15/2005 8:00 AM
Visit Comment: // //

Activity: 050115080001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.66	Detected and Quantified	F	Actual				1/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	0.4 µeq/L	Detected and Quantified	F	Actual				1/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/22/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	30.439 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_AutoStream	52.096 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_AutoStream	21.228 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_AutoStream	46.029 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	89.856 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_TC_AutoStream	*Present <QL	*Present <QL	F	Actual	0.42 ueq/L	1.336 ueq/L		9/19/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.942.												
NO3_IC_AutoStream	9.177 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_AutoStream	114.192 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_AutoStream	21.77 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

T_AL_TC_AutoStream	20.614 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/11/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	149.792 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	145.539 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.97161	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 1/15/2005 12:00 AM
Visit Comment: // //

Activity: 050115000001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.64	Detected and Quantified	F	Actual				1/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	1.9 µeq/L	Detected and Quantified	F	Actual				1/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/22/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	31.487 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_AutoStream	52.59 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_AutoStream	21.402 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_AutoStream	46.95 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	88.345 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		2/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NH4_TC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L	9/19/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.055.							
NO3_IC_AutoStream	9.821 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_AutoStream	113.048 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	21.235 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	21.525 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/11/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	152.429 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	146.004 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.95785	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 1/15/2005 4:00 PM
Visit Comment: // //

Activity: 050115160001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.68	Detected and Quantified	F	Actual				1/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	0.3 µeq/L	Detected and Quantified	F	Actual				1/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/22/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_AA_AutoStream	31.038 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_AutoStream	50.861 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_AutoStream	21.184 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_AutoStream	45.235 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	89.856 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	2/23/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_TC_AutoStream	*Present <QL	*Present <QL	F	Actual	0.42 ueq/L	1.336 ueq/L	9/19/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.942.							
NO3_IC_AutoStream	7.519 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_AutoStream	113.672 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	21.601 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	19.132 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/11/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	148.318 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	143.092 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.96476	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 1/18/2005 11:30 AM
Visit Comment: SUSIE MABEN // // Very cold, sunny Rain, then turned cold

Activity: 050118113001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.65	Detected and Quantified	F	Actual				1/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-1.3 µeq/L	Detected and Quantified	F	Actual				1/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/22/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	29.84 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	50.121 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	21.228 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	40.781 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	88.661 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		2/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	2.979 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	112.174 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	21.094 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	141.97 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	134.947 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

IONRATIO_2PT_IC1_AA_GRAB	0.95053	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05011811300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	3.2 °C	Detected and Quantified	F	Actual				1/18/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 1/25/2005 1:40 PM
Visit Comment: SUSIE MABEN // // Cold, mostly cloudy Snow, cold

Activity: 050125134001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.72	Detected and Quantified	F	Actual				1/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	0.8 µeq/L	Detected and Quantified	F	Actual				2/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/27/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	30.09 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	50.45 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	21.489 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	39.296 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	86.237 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		2/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NH4_TC_Grab500	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L	9/19/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.027.							
NO3_IC_Grab	3.075 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	110.323 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	21.517 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	15.348 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	141.325 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	135.715 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.9603	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05012513400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	3.3 °C	Detected and Quantified	F	Actual				1/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0501251340S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	1.05 mg/l	Detected and Quantified	F	Actual	0.172339614 mg/l	0.548039971 mg/l		4/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Non-filterable Residue	1 mg/l	Detected and Quantified	F	Actual	0.179602815 mg/l	0.571136951 mg/l		4/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 2/1/2005 12:55 PM
Visit Comment: SUSIE MABEN // // Clear, cool Cold, snow/sleet/freezing rain event

Activity: 050201125501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.72	Detected and Quantified	F	Actual				2/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	1.9 µeq/L	Detected and Quantified	F	Actual				2/23/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/2/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	30.19 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	50.285 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	20.967 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	38.784 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	83.432 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	2.576 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	110.552 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	21.094 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	140.226 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	136.122 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.97073	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05020112550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	3.5 °C	Detected and Quantified	F	Actual				2/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 2/8/2005 4:20 PM
Visit Comment: SUSIE MABEN, JOHN MABEN // // Warm, mostly sunny A little mixed precip., cool

Activity: 050208162001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.72	Detected and Quantified	F	Actual				2/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	2.5 µeq/L	Detected and Quantified	F	Actual				2/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/10/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	28.992 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	48.392 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	21.576 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	40.218 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	79.365 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	1.111 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	111.925 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	21.178 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	139.178 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	136.714 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.9823	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05020816200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8 °C	Detected and Quantified	F	Actual				2/8/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 2/15/2005 1:15 PM
Visit Comment: SUSIE MABEN // // Mostly sunny, warm Mild, a little rain

Activity: 050215131501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.84	Detected and Quantified	F	Actual				2/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	2.1 µeq/L	Detected and Quantified	F	Actual				2/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	19 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	2/17/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	29.391 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	48.804 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	21.968 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	40.397 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	77.788 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	0.918 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	111.134 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	21.122 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	140.56 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	135.274 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.96239	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05021513150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6 °C	Detected and Quantified	F	Actual				2/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 2/22/2005 2:40 PM
Visit Comment: SUSIE MABEN // // Mild, clouds east of Blue Ridge Rain 2/21/05

Activity: 050222144001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.84	Detected and Quantified	F	Actual				2/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	3.3 µeq/L	Detected and Quantified	F	Actual				3/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/24/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	29.291 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	48.146 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	21.62 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	40.038 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	77.19 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.177.												
SO4_IC_Grab	110.302 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	20.727 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	139.095 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	134.4295 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.96646	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05022214400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	7 °C	Detected and Quantified	F	Actual				2/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 3/1/2005 1:25 PM
Visit Comment: SUSIE MABEN // // Cold, partly sunny 2 snow events, cold

Activity: 050301132501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.79	Detected and Quantified	F	Actual				3/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	3.3 µeq/L	Detected and Quantified	F	Actual				3/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/3/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	29.142 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	47.816 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	21.489 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	39.859 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	76.526 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	1.755 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	108.701 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	20.219 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	138.306 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	133.975 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.96869	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05030113250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4 °C	Detected and Quantified	F	Actual				3/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 3/8/2005 8:00 AM
Visit Comment: // //

Activity: 050308080001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.51	Detected and Quantified	F	Actual				3/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	1.9 µeq/L	Detected and Quantified	F	Actual				3/14/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_AutoStream	20.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	3/10/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_AutoStream	29.441 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_AutoStream	49.627 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_AutoStream	20.924 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_AutoStream	42.726 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	81.058 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_TC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L	9/19/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.055.							
NO3_IC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.032.							
SO4_IC_AutoStream	108.638 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	20.107 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	25.223 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	142.718 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	130.7455 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.91611	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

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Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 3/8/2005 10:00 AM
Visit Comment: // //

Activity: 050308100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.55	Detected and Quantified	F	Actual				3/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	1.9 µeq/L	Detected and Quantified	F	Actual				3/14/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/10/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	29.541 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_AutoStream	49.545 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_AutoStream	20.532 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_AutoStream	42.061 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	81.224 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_TC_AutoStream	1.496 µeq/L	Detected and Quantified	F	Actual	0.42 ueq/L	1.336 ueq/L		9/19/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_AutoStream	5.844 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_AutoStream	108.805 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_AutoStream	19.514 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_AutoStream	29.778 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		4/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_AA_AUTO	141.679 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_2PT_IC1_AUTO	136.063 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC1_AA_AUTO	0.96036	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 3/8/2005 12:00 PM
Visit Comment: // //

Activity: 050308120001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.55	Detected and Quantified	F	Actual				3/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	0.3 µeq/L	Detected and Quantified	F	Actual				3/14/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/10/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	30.19 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_AutoStream	50.285 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_AutoStream	20.184 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_AutoStream	42.624 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	79.863 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NH4_TC_AutoStream	*Present <QL	*Present <QL	F	Actual	0.42 ueq/L	1.336 ueq/L	9/19/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.776.							
NO3_IC_AutoStream	6.649 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_AutoStream	109.574 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	19.402 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	30.493 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	143.283 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	135.925 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.94865	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PAIN **Visit Date:** 3/8/2005 1:00 PM

Visit Comment: SUSIE MABEN // // Drastic temp. drop, AM rain turned to snow, then clearing, windy & cold. Wintry mix precip. events, warm yesterday.

Activity: 050308130001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.55	Detected and Quantified	F	Actual				3/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	1.2 µeq/L	Detected and Quantified	F	Actual				3/14/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/10/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_AA_Grab *Dilution:* N	29.74 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Mg_AA_Grab *Dilution:* N	50.45 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Na_AA_Grab *Dilution:* N	19.966 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
K_AA_Grab *Dilution:* N	42.726 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
SiO2_TC_Grab *Dilution:* N	79.713 µmol/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
NO3_IC_Grab *Dilution:* N	3.397 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.201 ueq/L	0.639 ueq/L	11/10/2005
SO4_IC_Grab *Dilution:* N	110.49 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	1.021 ueq/L	3.248 ueq/L	11/10/2005
Cl_IC_Grab *Dilution:* N	19.289 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.569 ueq/L	1.808 ueq/L	11/10/2005
SBC_AA_GRAB *Dilution:* N	142.882 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/6/2008
SAA_2PT_IC1_GRAB *Dilution:* N	134.376 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/6/2008
IONRATIO_2PT_IC1_AA_GRAB *Dilution:* N	0.94047 *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/6/2008

Activity: 05030813000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C *Dilution:* N	5.2 °C *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual				3/8/2005				

NPSTORET Results with Comments

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Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 3/8/2005 4:00 PM
Visit Comment: // //

Activity: 050308160001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.54	Detected and Quantified	F	Actual				3/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	-0.6 µeq/L	Detected and Quantified	F	Actual				3/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/17/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	30.489 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_AutoStream	51.026 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_AutoStream	20.271 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_AutoStream	42.931 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	80.908 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_TC_AutoStream	*Present <QL	*Present <QL	F	Actual	0.42 ueq/L	1.336 ueq/L		9/19/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.609.												
NO3_IC_AutoStream	7.245 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_AutoStream	109.907 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_AutoStream	19.402 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

T_AL_TC_AutoStream	28.727 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	144.717 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	135.954 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.93945	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 3/8/2005 8:00 PM
Visit Comment: // //

Activity: 050308200001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.56	Detected and Quantified	F	Actual				3/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	0.8 µeq/L	Detected and Quantified	F	Actual				3/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/17/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	29.79 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_AutoStream	51.273 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_AutoStream	20.402 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_AutoStream	43.11 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	81.274 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NH4_TC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L	9/19/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.388.							
NO3_IC_AutoStream	7.986 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_AutoStream	110.448 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	19.486 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	26.137 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	144.575 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	138.72 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.9595	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 3/8/2005 2:00 PM
Visit Comment: // //

Activity: 050308140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.54	Detected and Quantified	F	Actual				3/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	0.8 µeq/L	Detected and Quantified	F	Actual				3/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/17/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_AA_AutoStream *Dilution:* N	29.99 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Mg_AA_AutoStream *Dilution:* N	50.038 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Na_AA_AutoStream *Dilution:* N	20.358 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
K_AA_AutoStream *Dilution:* N	43.392 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
SiO2_TC_AutoStream *Dilution:* N	80.327 µmol/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
NH4_TC_AutoStream *Dilution:* N	1.662 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.42 ueq/L	1.336 ueq/L	9/19/2005
NO3_IC_AutoStream *Dilution:* N	7.02 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.201 ueq/L	0.639 ueq/L	11/10/2005
SO4_IC_AutoStream *Dilution:* N	110.386 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	1.021 ueq/L	3.248 ueq/L	11/10/2005
Cl_IC_AutoStream *Dilution:* N	19.543 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.569 ueq/L	1.808 ueq/L	11/10/2005
T_AL_TC_AutoStream *Dilution:* N	28.975 µg/l *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	1.524 ug/l	4.845 ug/l	4/12/2006
SBC_AA_AUTO *Dilution:* N	143.778 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/6/2008
SAA_2PT_IC1_AUTO *Dilution:* N	137.749 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/6/2008
IONRATIO_2PT_IC1_AA_AUTO *Dilution:* N	0.95807 *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/6/2008

NPSTORET Results with Comments

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Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 3/9/2005 12:00 AM
Visit Comment: // //

Activity: 050309000001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.58	Detected and Quantified	F	Actual				3/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	0.8 µeq/L	Detected and Quantified	F	Actual				3/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/17/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	30.589 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_AutoStream	51.931 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_AutoStream	20.575 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_AutoStream	43.52 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	82.236 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_TC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/19/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.055.												
NO3_IC_AutoStream	7.808 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_AutoStream	110.989 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_AutoStream	19.627 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

T_AL_TC_AutoStream	25.836 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l			4/12/2006		
Dilution: N	*Recovery:* N	*Correction:* N									
SBC_AA_AUTO	146.615 µeq/L	Detected and Quantified	F	Actual					2/6/2008		
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_2PT_IC1_AUTO	139.224 µeq/L	Detected and Quantified	F	Actual					2/6/2008		
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC1_AA_AUTO	0.94959	Detected and Quantified	F	Actual					2/6/2008		
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 3/9/2005 8:00 AM
Visit Comment: // //

Activity: 050309080001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.59	Detected and Quantified	F	Actual				3/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	0.8 µeq/L	Detected and Quantified	F	Actual				3/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/17/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	30.489 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_AutoStream	50.368 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_AutoStream	20.575 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_AutoStream	42.291 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	82.419 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NH4_TC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L	9/19/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.222.							
NO3_IC_AutoStream	7.197 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_AutoStream	111.051 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	19.74 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	23.403 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	143.723 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	138.788 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.96566	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 3/9/2005 4:00 PM
Visit Comment: // //

Activity: 050309160001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.58	Detected and Quantified	F	Actual				3/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	0.8 µeq/L	Detected and Quantified	F	Actual				3/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/17/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_AA_AutoStream	29.641 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_AutoStream	49.709 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_AutoStream	20.793 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_AutoStream	42.931 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	82.983 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_TC_AutoStream	*Present <QL	*Present <QL	F	Actual	0.42 ueq/L	1.336 ueq/L	9/19/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.665.							
NO3_IC_AutoStream	6.424 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_AutoStream	111.675 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	20.022 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	21.79 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	143.074 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	138.921 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.97097	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

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Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 3/15/2005 2:00 PM
Visit Comment: SUSIE MABEN // // Sunny, cool Cool, some mixed precip.

Activity: 050315140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.68	Detected and Quantified	F	Actual				3/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	1.9 µeq/L	Detected and Quantified	F	Actual				3/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/17/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	28.792 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	47.322 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	21.315 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	41.882 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	78.236 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_TC_Grab500	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/19/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of -0.008.												
NO3_IC_Grab	1.932 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	109.97 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	20.304 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

T_AL_TC_Grab	18.876 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l			4/25/2006		
Dilution: N	*Recovery:* N	*Correction:* N									
SBC_AA_GRAB	139.311 µeq/L	Detected and Quantified	F	Actual					2/6/2008		
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_2PT_IC1_GRAB	134.106 µeq/L	Detected and Quantified	F	Actual					2/6/2008		
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC1_AA_GRAB	0.96264	Detected and Quantified	F	Actual					2/6/2008		
Dilution: N	*Recovery:* N	*Correction:* N									

Activity: 05031514000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8 °C	Detected and Quantified	F	Actual				3/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 3/22/2005 3:10 PM
Visit Comment: SUSIE MABEN, JOHN MABEN // // Mostly sunny Dry

Activity: 050322151001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.79	Detected and Quantified	F	Actual				3/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	3.7 µeq/L	Detected and Quantified	F	Actual				3/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/24/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	27.545 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	45.43 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Na_AA_Grab	21.402 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	41.907 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	69.986 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	110.469 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	20.642 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	136.284 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	134.9115 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.98993	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05032215100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9.5 °C	Detected and Quantified	F	Actual				3/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 3/28/2005 6:00 PM
Visit Comment: // //

Activity: 050328180001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.59	Detected and Quantified	F	Actual				3/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	1.1 µeq/L	Detected and Quantified	F	Actual				4/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	19.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/31/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	30.339 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_AutoStream	49.298 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_AutoStream	21.272 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_AutoStream	43.802 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	78.95 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_TC_AutoStream	1.385 µeq/L	Detected and Quantified	F	Actual	0.42 ueq/L	1.336 ueq/L		9/19/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_AutoStream	5.587 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_AutoStream	110.053 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_AutoStream	20.699 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_AutoStream	23.746 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		4/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_AA_AUTO	144.711 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_2PT_IC1_AUTO	137.439 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC1_AA_AUTO	0.94975	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 3/28/2005 8:00 PM
Visit Comment: // //

Activity: 050328200001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.64	Detected and Quantified	F	Actual				3/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	2.9 µeq/L	Detected and Quantified	F	Actual				4/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/31/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	30.09 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_AutoStream	49.298 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_AutoStream	21.272 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_AutoStream	43.955 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	79.331 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NH4_TC_AutoStream	*Present <QL	*Present <QL	F	Actual	0.42 ueq/L	1.336 ueq/L	9/19/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.609.							
NO3_IC_AutoStream	7.293 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_AutoStream	110.656 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	20.868 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	21.553 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	144.615 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	141.717 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.97996	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 3/28/2005 10:00 PM
Visit Comment: // //

Activity: 050328220001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.63	Detected and Quantified	F	Actual				3/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	-0.5 µeq/L	Detected and Quantified	F	Actual				4/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/31/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_AA_AutoStream	30.539 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_AutoStream	50.861 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_AutoStream	21.315 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_AutoStream	44.774 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	80.095 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_TC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L	9/19/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.332.							
NO3_IC_AutoStream	8.469 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_AutoStream	110.802 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	21.376 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	21.572 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	147.489 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	140.147 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.95022	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

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Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 3/29/2005 12:00 AM
Visit Comment: // //

Activity: 050329000001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.63	Detected and Quantified	F	Actual				3/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	3.6 µeq/L	Detected and Quantified	F	Actual				4/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/31/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	30.539 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_AutoStream	50.861 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_AutoStream	21.794 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_AutoStream	45.21 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	81.025 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_TC_AutoStream	*Present <QL	*Present <QL	F	Actual	0.42 ueq/L	1.336 ueq/L		9/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.609.												
NO3_IC_AutoStream	9.644 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_AutoStream	111.238 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_AutoStream	21.319 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

T_AL_TC_AutoStream	19.646 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	148.404 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	145.801 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.98246	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 3/29/2005 2:00 AM
Visit Comment: // //

Activity: 050329020001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.64	Detected and Quantified	F	Actual				3/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	0.3 µeq/L	Detected and Quantified	F	Actual				4/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/31/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	31.287 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_AutoStream	51.026 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_AutoStream	20.575 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_AutoStream	43.571 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	81.008 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NH4_TC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L	9/22/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.388.							
NO3_IC_AutoStream	10.159 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_AutoStream	110.531 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	20.473 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	20.477 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	146.459 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	141.463 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.96589	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 3/29/2005 10:00 AM
Visit Comment: // //

Activity: 050329100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.67	Detected and Quantified	F	Actual				3/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	2.8 µeq/L	Detected and Quantified	F	Actual				4/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/31/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_AA_AutoStream	30.788 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_AutoStream	50.944 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_AutoStream	21.663 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_AutoStream	45.082 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	82.153 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_TC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L	9/22/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.332.							
NO3_IC_AutoStream	9.821 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_AutoStream	111.322 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	21.291 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	19.727 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	148.477 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	145.234 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.97816	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 3/29/2005 10:30 AM
Visit Comment: SUSIE MABEN, DOUG TOBIAS // // Warm, clearing to sunny Rain, cool

Activity: 050329103001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.59	Detected and Quantified	F	Actual				3/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	2.9 µeq/L	Detected and Quantified	F	Actual				4/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/31/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	30.639 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	50.203 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	21.75 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	45.338 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	82.004 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_TC_Grab500	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.055.												
NO3_IC_Grab	8.227 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	111.654 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	20.783 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

T_AL_TC_Grab	20.69 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		4/25/2006			
Dilution: N	*Recovery:* N	*Correction:* N									
SBC_AA_GRAB	147.93 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_2PT_IC1_GRAB	143.564 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC1_AA_GRAB	0.97049	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Activity: 05032910300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9 °C	Detected and Quantified	F	Actual				3/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 3/29/2005 2:00 PM
Visit Comment: // //

Activity: 050329140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.73	Detected and Quantified	F	Actual				4/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	1.1 µeq/L	Detected and Quantified	F	Actual				4/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/11/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	30.339 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_AutoStream	49.627 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Na_AA_AutoStream	21.489 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_AutoStream	45.568 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	83.033 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_TC_AutoStream	*Present <QL	*Present <QL	F	Actual	0.42 ueq/L	1.336 ueq/L	9/22/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.942.							
NO3_IC_AutoStream	8.823 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/11/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_AutoStream	111.758 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/11/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	20.473 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/11/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	17.878 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	147.023 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	142.154 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.96688	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 3/29/2005 10:00 PM
Visit Comment: // //

Activity: 050329220001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.73	Detected and Quantified	F	Actual				4/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_AutoStream	5.4 µeq/L	Detected and Quantified	F	Actual			4/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	20.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	4/11/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_AutoStream	30.639 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_AutoStream	49.956 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_AutoStream	21.62 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_AutoStream	44.979 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	82.635 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_TC_AutoStream	*Present <QL	*Present <QL	F	Actual	0.42 ueq/L	1.336 ueq/L	9/22/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 1.108.							
NO3_IC_AutoStream	8.517 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/11/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_AutoStream	111.634 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/11/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	20.417 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/11/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	18.877 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	147.194 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	145.968 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.99167	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 3/29/2005 6:00 AM
Visit Comment: // //

Activity: 050329060001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.65	Detected and Quantified	F	Actual				3/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	4.4 µeq/L	Detected and Quantified	F	Actual				4/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/31/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	31.237 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_AutoStream	50.944 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_AutoStream	21.532 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_AutoStream	44.954 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	81.39 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_TC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.388.												
NO3_IC_AutoStream	10.578 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_AutoStream	111.176 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_AutoStream	20.671 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

T_AL_TC_AutoStream	20.393 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	148.667 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	146.825 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.98761	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 3/30/2005 2:00 PM
Visit Comment: // //

Activity: 050330140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.72	Detected and Quantified	F	Actual				4/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	1.2 µeq/L	Detected and Quantified	F	Actual				4/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/11/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	29.84 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_AutoStream	48.063 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_AutoStream	21.272 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_AutoStream	44.237 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	81.257 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NH4_TC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L	9/22/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.277.							
NO3_IC_AutoStream	5.844 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/11/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_AutoStream	111.051 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/11/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	20.586 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/11/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	17.051 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	143.412 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	138.681 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.96701	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 4/5/2005 9:55 AM
Visit Comment: DOUG TOBIAS, SUSIE MABEN // // Warm, sunny Precip. over weekend

Activity: 050405095501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.75	Detected and Quantified	F	Actual				4/7/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	1.1 µeq/L	Detected and Quantified	F	Actual				4/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/7/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_AA_Grab	29.191 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	46.993 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	22.098 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	44.646 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	74.999 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	1.449 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/11/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	110.427 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/11/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	20.727 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/11/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	142.928 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	133.703 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.93546	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05040509550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8 °C	Detected and Quantified	F	Actual				4/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 4/12/2005 8:25 AM
Visit Comment: DOUGLAS TOBIAS // // Cold, cloudy, some sprinkles Moderate temps., some rain

Activity: 050412082501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.87	Detected and Quantified	F	Actual				4/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	4.5 µeq/L	Detected and Quantified	F	Actual				4/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/13/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	27.495 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	45.841 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	21.88 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	43.827 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	67.147 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_TC_Grab500	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.166.												
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.064.												
SO4_IC_Grab	109.366 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	20.699 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

T_AL_TC_Grab	12.867 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l			4/25/2006			
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	139.043 µeq/L	Detected and Quantified	F	Actual					2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	134.6655 µeq/L	Detected and Quantified	F	Actual					2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.96852	Detected and Quantified	F	Actual					2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05041208250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9 °C	Detected and Quantified	F	Actual				4/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 4/19/2005 9:25 AM
Visit Comment: DOUGLAS TOBIAS // // Warm, some rain Warm, mostly clear

Activity: 050419092501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.93	Detected and Quantified	F	Actual				4/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	3.6 µeq/L	Detected and Quantified	F	Actual				4/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/21/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	28.044 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	45.594 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Na_AA_Grab	22.446 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	43.93 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	60.026 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	109.928 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	20.896 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	140.014 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	134.5245 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.96079	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05041909250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11.8 °C	Detected and Quantified	F	Actual				4/19/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 4/26/2005 11:15 AM
Visit Comment: DOUGLAS TOBIAS // // Cool, partly cloudy, windy Cool, some rain & thunder

Activity: 050426111501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.97	Detected and Quantified	F	Actual				4/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	3.7 µeq/L	Detected and Quantified	F	Actual				5/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/27/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	26.796 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	44.607 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	22.272 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	44.442 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	56.257 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_TC_Grab500	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.222.												
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.032.												
SO4_IC_Grab	109.72 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	21.122 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

T_AL_TC_Grab	10.753 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		4/25/2006			
Dilution: N	*Recovery:* N	*Correction:* N									
SBC_AA_GRAB	138.117 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_2PT_IC1_GRAB	134.6425 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC1_AA_GRAB	0.97484	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Activity: 05042611150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11.5 °C	Detected and Quantified	F	Actual				4/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0504261115S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Present <QL	*Present <QL	F	Actual	0.172339614 mg/l	0.548039971 mg/l		7/18/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.4.												
Non-filterable Residue	*Present <QL	*Present <QL	F	Actual	0.179602815 mg/l	0.571136951 mg/l		7/18/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.55.												

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 5/3/2005 11:45 AM
Visit Comment: DOUGLAS TOBIAS // // Cool, partly cloudy Warm, partly cloudy, scattered rain showers

Activity: 050503114501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.97	Detected and Quantified	F	Actual				5/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	5.3 µeq/L	Detected and Quantified	F	Actual				5/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/4/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	27.196 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	45.265 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	22.359 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	44.416 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	59.627 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.032.												
SO4_IC_Grab	108.285 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	20.924 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	139.236 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	134.6095 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.96677	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05050311450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10 °C	Detected and Quantified	F	Actual				5/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 5/10/2005 10:45 AM
Visit Comment: DOUGLAS TOBIAS // // Warm, cloudy Cool to warm, partly cloudy

Activity: 050510104501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.08	Detected and Quantified	F	Actual				5/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	5.3 µeq/L	Detected and Quantified	F	Actual				5/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/12/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	26.746 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	43.948 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	22.62 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	45.696 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	54.946 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_TC_Grab500	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L	9/22/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.166.							
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	108.347 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	21.065 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	139.01 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	134.8125 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA _GRAB	0.9698	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05051010450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	13 °C	Detected and Quantified	F	Actual				5/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 5/17/2005 9:40 AM
Visit Comment: DOUGLAS TOBIAS, SUSIE MABEN // // Cool, partly cloudy Thunderstorms over weekend, warm

Activity: 050517094001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.14	Detected and Quantified	F	Actual				5/19/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	7.9 µeq/L	Detected and Quantified	F	Actual				5/19/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/19/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	26.746 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	45.677 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	23.012 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	46.694 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	57.834 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		11/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.064.												
SO4_IC_Grab	107.619 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	21.573 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	142.129 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	137.1925 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.96527	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05051709400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12 °C	Detected and Quantified	F	Actual				5/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 5/24/2005 8:35 AM
Visit Comment: DOUGLAS TOBIAS // Raining while at site // Cool, cloudy, light rain Cool, partly cloudy, some heavy rain, and thunder

Activity: 050524083501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.03	Detected and Quantified	F	Actual				5/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	10.4 µeq/L	Detected and Quantified	F	Actual				5/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/26/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	28.892 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	48.475 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	23.316 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	47.846 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	67.96 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_TC_Grab500	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L	9/22/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.166.							
NO3_IC_Grab	4.17 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	107.598 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	21.488 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	148.529 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	143.656 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.96719	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05052408350F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11.3 °C	Detected and Quantified	F	Actual				5/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 5/31/2005 11:20 AM
Visit Comment: DOUGLAS TOBIAS // // Cool, partly cloudy Cool, partly cloudy, some light rain

Activity: 050531112001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.15	Detected and Quantified	F	Actual				6/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	10.4 µeq/L	Detected and Quantified	F	Actual			6/3/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	19.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	6/2/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	27.495 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	46.417 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	23.055 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	46.182 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	66.948 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	2.544 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	106.475 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	21.488 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	143.149 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	140.907 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.98434	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05053111200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	14.4 °C	Detected and Quantified	F	Actual				5/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 6/7/2005 7:30 AM
Visit Comment: DOUGLAS TOBIAS // // Hot, partly cloudy Cool, cloudy, rain

Activity: 050607073001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.06	Detected and Quantified	F	Actual				6/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	12.9 µeq/L	Detected and Quantified	F	Actual				6/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		6/9/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	28.992 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	48.557 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	23.403 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	49.664 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	69.056 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_TC_Grab500	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.111.												
NO3_IC_Grab	5.394 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	107.931 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	21.545 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_AA_GRAB	150.616 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	147.77 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.9811	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05060707300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	16.2 °C	Detected and Quantified	F	Actual				6/7/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 6/14/2005 11:00 AM
Visit Comment: DOUGLAS TOBIAS // // Hot, mostly sunny Hot, partly cloudy, some brief rain and thunder storms

Activity: 050614110001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.16	Detected and Quantified	F	Actual				6/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	10.4 µeq/L	Detected and Quantified	F	Actual				6/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		6/16/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	28.493 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	47.899 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	23.142 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_AA_Grab	49.997 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	75.679 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	8.259 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	106.621 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	22.137 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	149.531 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	147.417 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.98586	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05061411000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	19 °C	Detected and Quantified	F	Actual				6/14/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 6/21/2005 12:10 PM
Visit Comment: DOUGLAS TOBIAS // // Cool, cloudy Cool to warm, partly cloudy

Activity: 050621121001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.13	Detected and Quantified	F	Actual				6/23/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	10.4 µeq/L	Detected and Quantified	F	Actual			6/23/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	20.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	6/23/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	28.992 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	48.228 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	23.621 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	48.589 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	81.523 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	9.483 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	105.477 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	22.306 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	149.43 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	147.666 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.9882	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05062112100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	17 °C	Detected and Quantified	F	Actual				6/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

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Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 6/28/2005 10:00 AM
Visit Comment: DOUGLAS TOBIAS, CHRIS MOORE // // Hot, dry, sunny Hot, dry, partly cloudy

Activity: 050628100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.92	Detected and Quantified	F	Actual				7/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	12.8 µeq/L	Detected and Quantified	F	Actual				7/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	21.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/11/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	30.239 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	50.368 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	27.188 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	53.35 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	89.706 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	15.44 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	104.811 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	24.985 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	161.145 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	158.036 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.98071	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05062810000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	20.5 °C	Detected and Quantified	F	Actual				6/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 7/5/2005 6:45 AM
Visit Comment: CHRIS MOORE, ALLEN SMITH // // Cloudy, cool Hot, dry, scattered T-storms

Activity: 050705064501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.84	Detected and Quantified	F	Actual				7/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	11.9 µeq/L	Detected and Quantified	F	Actual				7/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	22.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/11/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	28.493 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	48.392 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	24.23 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	51.354 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	94.188 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	3.606 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	103.958 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	21.714 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	152.469 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	141.178 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.92595	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05070506450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18.5 °C	Detected and Quantified	F	Actual				7/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 7/8/2005 6:00 AM
Visit Comment: // //

Activity: 050708060001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.79	Detected and Quantified	F	Actual				7/14/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	7.2 µeq/L	Detected and Quantified	F	Actual				7/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_AutoStream	20.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	7/14/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_AutoStream	30.938 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_AutoStream	47.734 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_AutoStream	19.488 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_AutoStream	49.28 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	83.282 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_TC_AutoStream	2.382 µeq/L	Detected and Quantified	F	Actual	0.42 ueq/L	1.336 ueq/L	9/22/2005
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_AutoStream	100.006 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	16.159 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	32.262 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/26/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	147.44 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	123.4655 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.83739	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 7/8/2005 8:00 AM
Visit Comment: // //

Activity: 050708080001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.78	Detected and Quantified	F	Actual				7/14/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	8.6 µeq/L	Detected and Quantified	F	Actual				7/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/14/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	31.637 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_AutoStream	49.38 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_AutoStream	20.054 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_AutoStream	49.587 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	86.22 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_TC_AutoStream	2.438 µeq/L	Detected and Quantified	F	Actual	0.42 ueq/L	1.336 ueq/L		9/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_AutoStream	11.254 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_AutoStream	101.4 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_AutoStream	16.779 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_AutoStream	27.742 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		4/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_AA_AUTO	150.658 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_2PT_IC1_AUTO	138.033 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC1_AA_AUTO	0.9162	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 7/8/2005 10:00 AM
Visit Comment: // //

Activity: 050708100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.79	Detected and Quantified	F	Actual				7/14/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	8.6 µeq/L	Detected and Quantified	F	Actual				7/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/14/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	32.036 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_AutoStream	49.874 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_AutoStream	20.402 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_AutoStream	50.048 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	88.378 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NH4_TC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L	9/22/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.222.							
NO3_IC_AutoStream	10.916 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_AutoStream	102.461 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	17.681 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	23.704 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/26/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	152.36 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	139.658 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.91663	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 7/8/2005 6:00 PM
Visit Comment: // //

Activity: 050708180001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.93	Detected and Quantified	F	Actual				7/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	7.9 µeq/L	Detected and Quantified	F	Actual				7/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/15/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_AA_AutoStream	31.936 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_AutoStream	49.792 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_AutoStream	21.358 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_AutoStream	51.456 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	91.914 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_TC_AutoStream	*Present <QL	*Present <QL	F	Actual	0.42 ueq/L	1.336 ueq/L	9/22/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 1.274.							
NO3_IC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.032.							
SO4_IC_AutoStream	103.043 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	18.894 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	16.397 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/26/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	154.542 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	129.9375 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA _AUTO	0.84079	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

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Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 7/8/2005 2:00 PM
Visit Comment: // //

Activity: 050708140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.82	Detected and Quantified	F	Actual				7/14/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	4.2 µeq/L	Detected and Quantified	F	Actual				7/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/14/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	31.986 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_AutoStream	49.709 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_AutoStream	20.445 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_AutoStream	49.51 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	90.536 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_TC_AutoStream	*Present <QL	*Present <QL	F	Actual	0.42 ueq/L	1.336 ueq/L		9/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.942.												
NO3_IC_AutoStream	6.794 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_AutoStream	103.501 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_AutoStream	17.992 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

T_AL_TC_AutoStream	19.221 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/26/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	151.65 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	132.487 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.87364	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 7/8/2005 4:00 AM
Visit Comment: // //

Activity: 050708040001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.75	Detected and Quantified	F	Actual				7/14/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	13.6 µeq/L	Detected and Quantified	F	Actual				7/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	19.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/14/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	29.99 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_AutoStream	44.607 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_AutoStream	18.836 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_AutoStream	47.386 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	80.925 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NH4_TC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L	9/22/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.332.							
NO3_IC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_AutoStream	96.678 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	16.384 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	37.082 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/26/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	140.819 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	126.7625 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.90018	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PAIN **Visit Date:** 7/9/2005 2:00 AM

Visit Comment: // //

Activity: 050709020001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.88	Detected and Quantified	F	Actual				7/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	6.1 µeq/L	Detected and Quantified	F	Actual				7/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/15/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_AA_AutoStream	31.587 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_AutoStream	49.956 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_AutoStream	21.489 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_AutoStream	49.946 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	92.744 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_TC_AutoStream	*Present <QL	*Present <QL	F	Actual	0.42 ueq/L	1.336 ueq/L	9/22/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.443.							
NO3_IC_AutoStream	16.937 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_AutoStream	104.624 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	19.768 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	13.98 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/26/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	152.978 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	147.429 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.96373	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 7/12/2005 10:25 AM
Visit Comment: CHRIS MOORE // // Partly cloudy, warm Hot, T-storms

Activity: 050712102501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.97	Detected and Quantified	F	Actual				7/14/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	7.9 µeq/L	Detected and Quantified	F	Actual				7/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/14/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	28.942 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	46.499 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	22.49 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	48.691 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	93.159 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	4.846 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	104.437 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	20.868 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	146.622 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	138.051 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

IONRATIO_2PT_IC1_AA_GRAB	0.94154	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05071210250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18.5 °C	Detected and Quantified	F	Actual				7/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 7/19/2005 10:15 AM
Visit Comment: CHRIS MOORE // // Cloudy, hot, humid Hot, humid

Activity: 050719101501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.09	Detected and Quantified	F	Actual				7/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	12.9 µeq/L	Detected and Quantified	F	Actual				8/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/21/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	28.193 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	45.594 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	22.968 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	50.406 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	94.454 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_IC_Grab	2.721 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	104.707 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	20.783 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	147.161 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	141.111 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.95889	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05071910150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	20 °C	Detected and Quantified	F	Actual				7/19/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PAIN **Visit Date:** 7/26/2005 9:40 AM

Visit Comment: CHRIS MOORE // // Clear, warm Hot, humid, dry

Activity: 050726094001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.14	Detected and Quantified	F	Actual				7/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	12.9 µeq/L	Detected and Quantified	F	Actual				8/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/28/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_AA_Grab	27.894 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	46.499 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	23.925 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	51.328 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	98.04 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_TC_Grab500	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L	9/22/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.111.							
NO3_IC_Grab	4.186 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	104.166 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	21.658 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	149.646 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	142.91 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.95499	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05072609400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	20 °C	Detected and Quantified	F	Actual				7/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0507260940S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Present <QL	*Present <QL	F	Actual	0.172339614 mg/l	0.548039971 mg/l		9/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.4.												
Non-filterable Residue	0.7 mg/l	Detected and Quantified	F	Actual	0.179602815 mg/l	0.571136951 mg/l		9/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 8/2/2005 11:10 AM
Visit Comment: CHRIS MOORE // // Hot, clear Hot, dry

Activity: 050802111001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.17	Detected and Quantified	F	Actual				8/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	15.4 µeq/L	Detected and Quantified	F	Actual				8/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/5/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	27.295 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	46.499 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	24.621 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	51.354 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	101.708 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	5.297 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	102.482 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	21.601 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	149.769 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	144.78 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.96669	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05080211100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	21 °C	Detected and Quantified	F	Actual				8/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 8/10/2005 10:00 AM
Visit Comment: CHRIS MOORE // // Clear, warm Hot, scattered T-storms

Activity: 050810100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.12	Detected and Quantified	F	Actual				8/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	15.3 µeq/L	Detected and Quantified	F	Actual				8/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	20 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	8/12/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	28.094 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	47.487 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	23.882 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	49.331 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	107.352 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	9.032 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	101.192 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	22.786 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	148.794 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	148.31 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.99675	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05081010000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	20.5 °C	Detected and Quantified	F	Actual				8/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 8/16/2005 2:05 PM
Visit Comment: CHRIS MOORE // // Partly cloudy, warm Hot, scattered T-storms

Activity: 050816140501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.1	Detected and Quantified	F	Actual				8/18/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	12.9 µeq/L	Detected and Quantified	F	Actual				8/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/18/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	27.445 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	45.841 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	25.317 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	54.605 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	103.75 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	7.712 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	97.24 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	22.56 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	153.208 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	140.412 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

IONRATIO_2PT_IC1_AA_GRAB	0.91648	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05081614050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	24 °C	Detected and Quantified	F	Actual				8/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 8/23/2005 1:50 PM
Visit Comment: SUSIE MABEN // // Mostly cloudy, warm Hot, humid, scattered thunderstorms

Activity: 050823135001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.1	Detected and Quantified	F	Actual				8/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	8.7 µeq/L	Detected and Quantified	F	Actual				8/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/26/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	27.894 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	45.841 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	23.708 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	50.893 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	111.668 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_IC_Grab	3.349 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	104.437 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	21.122 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	148.336 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	137.608 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.92768	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05082313500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	20 °C	Detected and Quantified	F	Actual				8/23/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PAIN **Visit Date:** 8/30/2005 3:40 PM

Visit Comment: SUSIE MABEN // // Mostly cloudy, some light rain Hot and humid

Activity: 050830154001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.18	Detected and Quantified	F	Actual				9/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	12.8 µeq/L	Detected and Quantified	F	Actual				9/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/1/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_AA_Grab	26.796 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	44.524 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	22.794 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	49.971 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	112.83 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	5.764 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	103.938 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	21.376 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	144.085 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	143.878 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.99856	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05083015400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	21.7 °C	Detected and Quantified	F	Actual				8/30/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 9/6/2005 11:00 AM
Visit Comment: SUSIE MABEN // // Warm, mostly sunny Fair, little rain

Activity: 050906110001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.18	Detected and Quantified	F	Actual				9/8/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	11.2 µeq/L	Detected and Quantified	F	Actual				9/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/8/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	28.593 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	48.063 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	23.055 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	48.691 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	113.527 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	6.665 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	103.418 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	21.347 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	148.402 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	142.63 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

IONRATIO_2PT_IC1_AA_GRAB	0.96111	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05090611000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	17.2 °C	Detected and Quantified	F	Actual				9/6/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 9/13/2005 2:30 PM
Visit Comment: SUSIE MABEN // // Sunny, hot Dry, hot days, cool nights

Activity: 050913143001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.18	Detected and Quantified	F	Actual				9/14/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	14.4 µeq/L	Detected and Quantified	F	Actual				9/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/14/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	28.543 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	47.652 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	24.751 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	51.2 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	114.54 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NH4_TC_Grab500	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		12/8/2005
Dilution: N	*Recovery:* N	*Correction:* N						
Result Comment: Reported value of 0.055.								
NO3_IC_Grab	7.825 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_IC_Grab	103.626 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_IC_Grab	22.334 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_AA_GRAB	152.146 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC1_GRAB	148.185 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC1_AA_GRAB	0.97397	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 05091314300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	17.8 °C	Detected and Quantified	F	Actual				9/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 9/20/2005 2:00 PM
Visit Comment: SUSIE MABEN // // Warm, some cloudiness Warm, some precip. 9/16/05

Activity: 050920140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.34	Detected and Quantified	F	Actual				9/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	14.5 µeq/L	Detected and Quantified	F	Actual				9/23/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	20.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	9/21/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	27.245 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	46.746 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	23.403 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	51.021 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	112.897 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	4.106 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	103.064 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	22.56 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	148.415 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	144.23 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.9718	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05092014000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	19.3 °C	Detected and Quantified	F	Actual				9/20/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 9/27/2005 2:25 PM
Visit Comment: SUSIE MABEN // // Sunny, warm Warm, cloudy, a little rain

Activity: 050927142501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.19	Detected and Quantified	F	Actual				10/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	22.5 µeq/L	Detected and Quantified	F	Actual				10/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/30/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	27.844 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	47.816 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	25.012 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	54.093 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	116.515 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_TC_Grab500	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		12/8/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.055.												
NO3_IC_Grab	4.975 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	102.045 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	22.729 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_AA_GRAB	154.765 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	152.249 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.98374	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05092714250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18 °C	Detected and Quantified	F	Actual				9/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 10/4/2005 1:15 PM
Visit Comment: SUSIE MABEN // // Warm, partly cloudy Warm, dry

Activity: 051004131501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.46	Detected and Quantified	F	Actual				10/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	12.01911 µeq/L	Detected and Quantified	F	Actual				10/7/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/5/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	28.46882 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	49.2724 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	24.66882 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_Grab	53.66344 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	114.125 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/5/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	103.81913 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	22.08915 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	156.07998 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	137.96789 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.88396	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05100413150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	15.8 °C	Detected and Quantified	F	Actual				10/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 10/7/2005 2:00 PM
Visit Comment: // //

Activity: 051007140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.63	Detected and Quantified	F	Actual				10/20/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	16.11206 µeq/L	Detected and Quantified	F	Actual				10/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	18.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/20/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	25.58853 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	41.99554 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	21.26341 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	50.81828 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	102.986 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/5/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	13.05754 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	0.43042 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	83.30199 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	23.67211 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_AutoStream	32.654 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		6/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_AUTO	152.7233 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_2PT_IC2_AUTO	123.51658 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_AUTO	0.80876	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 10/7/2005 6:00 PM
Visit Comment: // //

Activity: 051007180001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.62	Detected and Quantified	F	Actual				10/20/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	9.51936 µeq/L	Detected and Quantified	F	Actual				10/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	21.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/20/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	32.88521 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	54.61195 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	22.52811 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	57.53606 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	99.119 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/5/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	4.91593 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_AutoStream	3.80633 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	99.66677 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	21.97219 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	19.424 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	172.47726 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	134.96465 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.78251	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 10/7/2005 8:00 PM
Visit Comment: // //

Activity: 051007200001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.61	Detected and Quantified	F	Actual				10/20/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	9.40159 µeq/L	Detected and Quantified	F	Actual				10/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/20/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	30.19323 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	49.64774 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Na_Ions_AutoStream	20.88733 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	55.03327 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	96.396 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/5/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	6.25096 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	0.47756 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	93.92783 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	21.23821 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	25.161 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	162.01253 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	125.04519 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.77182	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 10/8/2005 6:00 AM
Visit Comment: // //

Activity: 051008060001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.69	Detected and Quantified	F	Actual				10/20/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_AutoStream *Dilution:* N	8.66927 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			10/24/2005
Cond_VWR_Manual_AutoStream *Dilution:* N	21.7 µS/cm *Recovery:* N	Detected and Quantified *Correction:* Y	F	Actual	0.162 uS/cm	0.515 uS/cm	10/20/2005
Ca_Ions_AutoStream *Dilution:* N	35.11515 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.468 ueq/L	1.488 ueq/L	6/7/2007
Mg_Ions_AutoStream *Dilution:* N	55.59915 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.218 ueq/L	0.694 ueq/L	6/7/2007
Na_Ions_AutoStream *Dilution:* N	22.34709 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.029 ueq/L	0.091 ueq/L	6/7/2007
K_Ions_AutoStream *Dilution:* N	55.96883 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.029 ueq/L	0.092 ueq/L	6/7/2007
SiO2_TC_AutoStream *Dilution:* N	98.206 µmol/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	1.051 umol/L	3.342 umol/L	6/5/2007
NH4_Ions_AutoStream *Dilution:* N	1.94455 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.013 ueq/L	0.04 ueq/L	6/7/2007
NO3_Ions_AutoStream *Dilution:* N	0.44254 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.081 ueq/L	0.258 ueq/L	6/7/2007
SO4_Ions_AutoStream *Dilution:* N	102.0931 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.31 ueq/L	0.986 ueq/L	6/7/2007
Cl_Ions_AutoStream *Dilution:* N	22.05074 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.076 ueq/L	0.242 ueq/L	6/7/2007
T_AL_TC_AutoStream *Dilution:* N	19.331 µg/l *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	1.524 ug/l	4.845 ug/l	6/20/2007
SBC_IC2_AUTO *Dilution:* N	170.97477 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/6/2008
SAA_2PT_IC2_AUTO *Dilution:* N	133.25565 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/18/2008
IONRATIO_2PT_IC2_AUTO *Dilution:* N	0.77939 *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/18/2008

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 10/8/2005 8:00 AM
Visit Comment: // //

Activity: 051008080001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.51	Detected and Quantified	F	Actual				10/20/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	6.16952 µeq/L	Detected and Quantified	F	Actual				10/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	21 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/20/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	30.75118 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	50.77945 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	20.19521 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	52.97571 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	95.085 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/5/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	2.94998 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	0.77977 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	93.98545 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	20.57413 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_AutoStream	26.724 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		6/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_AUTO	157.65153 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_2PT_IC2_AUTO	121.50887 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_AUTO	0.77074	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 10/8/2005 10:00 AM
Visit Comment: // //

Activity: 051008100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.47	Detected and Quantified	F	Actual				10/20/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	6.16952 µeq/L	Detected and Quantified	F	Actual				10/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	22 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/20/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	35.70669 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	56.36202 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	19.68125 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	54.66601 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	88.578 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/5/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	2.77894 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_AutoStream	5.03863 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	98.46168 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	20.7974 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	34.508 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	169.19491 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	130.46723 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.77111	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PAIN **Visit Date:** 10/8/2005 12:00 PM

Visit Comment: // //

Activity: 051008120001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.4	Detected and Quantified	F	Actual				10/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	6.16952 µeq/L	Detected and Quantified	F	Actual				10/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	23.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/21/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	37.00695 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	59.95321 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Na_Ions_AutoStream	19.68862 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	57.04062 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	89.225 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/5/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	7.57142 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	2.45514 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	100.87809 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	21.06703 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	28.402 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	181.26082 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	130.56978 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.72034	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 10/8/2005 4:00 PM
Visit Comment: // //

Activity: 051008160001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.45	Detected and Quantified	F	Actual				10/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_AutoStream	1.17003 µeq/L	Detected and Quantified	F	Actual			10/24/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	25.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	10/21/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_AutoStream	41.5528 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	66.639 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	19.99444 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	56.98058 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	88.096 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/5/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	6.07361 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	2.56304 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	105.69946 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	21.81316 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	26.673 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	191.24043 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	131.24569 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.68629	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 10/9/2005 4:00 AM
Visit Comment: // //

Activity: 051009040001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.58	Detected and Quantified	F	Actual				10/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	2.87526 µeq/L	Detected and Quantified	F	Actual				10/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	23.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/21/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	36.82382 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	62.23305 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	20.58711 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	53.23206 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	93.043 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/5/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	4.58978 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	2.62429 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	109.53925 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	22.05875 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_AutoStream	18.24 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		6/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_AUTO	177.46582 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_2PT_IC2_AUTO	137.09755 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_AUTO	0.77253	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PAIN **Visit Date:** 10/11/2005 2:00 PM

Visit Comment: SUSIE MABEN // // Cloudy, rain at times Heavy rain over weekend, warm

Activity: 051011140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.38	Detected and Quantified	F	Actual				10/20/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	2.81649 µeq/L	Detected and Quantified	F	Actual				10/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	21.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/20/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	32.87636 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	53.47321 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	21.05269 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	51.35309 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	99.301 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/5/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	0.85325 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	111.58443 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	21.58945 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	14.285 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	5/23/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	159.6086 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	136.03087 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.85228	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05101114000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	15.8 °C	Detected and Quantified	F	Actual				10/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 10/18/2005 2:50 PM
Visit Comment: SUSIE MABEN // // Warm, mostly sunny Dry, cool nights, warm days

Activity: 051018145001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.8	Detected and Quantified	F	Actual				10/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	2.87526 µeq/L	Detected and Quantified	F	Actual				11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	20.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	10/21/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	31.43617 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	50.39686 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	21.90977 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	50.46573 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	103.534 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/5/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	114.69371 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	21.73077 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	154.21503 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	139.34024 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.90355	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05101814500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	14.5 °C	Detected and Quantified	F	Actual				10/18/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 10/25/2005 2:40 PM
Visit Comment: SUSIE MABEN // // Light rain, cool Occasional rain and clouds

Activity: 051025144001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.62	Detected and Quantified	F	Actual				10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	5.31626 µeq/L	Detected and Quantified	F	Actual				11/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	31.60274 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	54.92603 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	21.45798 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	49.48222 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	99.783 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/5/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	114.4716 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	21.49981 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

T_AL_TC_Grab	10.145 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		5/23/2006
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	157.47547 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	141.32817 µeq/L	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.89746	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 05102514400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10 °C	Detected and Quantified	F	Actual				10/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 051025144OS1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Non-detect	*Non-detect	F	Actual	0.172339614 mg/l	0.548039971 mg/l		1/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.05.												
Non-filterable Residue	*Non-detect	*Non-detect	F	Actual	0.179602815 mg/l	0.571136951 mg/l		1/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.05.												

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/1/2005 1:30 PM
Visit Comment: SUSIE MABEN // // Warm, clear Cool nights, warm days, dry

Activity: 051101133001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.92	Detected and Quantified	F	Actual				11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	7.01961 µeq/L	Detected and Quantified	F	Actual				12/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	29.31871 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	51.39545 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	21.95411 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	47.44529 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	97.276 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	114.84525 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	21.23827 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	150.12006 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	143.14363 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.95353	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05110113300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11 °C	Detected and Quantified	F	Actual				11/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/8/2005 3:00 PM
Visit Comment: SUSIE MABEN // USFS team parked at site // Mix of sun, clouds and rain Warm, dry

Activity: 051108150001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6	Detected and Quantified	F	Actual				11/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	8.66927 µeq/L	Detected and Quantified	F	Actual				12/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/11/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	28.96477 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	54.9458 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	22.08341 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	49.84534 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	95.035 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	115.2604 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	21.93955 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	8.024 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	5/23/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	155.84582 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	145.90972 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.93624	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05110815000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11.2 °C	Detected and Quantified	F	Actual				11/8/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/15/2005 3:00 PM
Visit Comment: SUSIE MABEN // // Warm, partly to mostly cloudy, some sun Mild, some precip.

Activity: 051115150001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.03	Detected and Quantified	F	Actual				11/18/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	10.37445 µeq/L	Detected and Quantified	F	Actual				12/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/18/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	26.52227 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	46.7884 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	23.05193 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	50.02101 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	97.027 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	115.18475 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	22.08066 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	146.39011 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	147.68036 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	1.00881	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05111515000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	13.3 °C	Detected and Quantified	F	Actual				11/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/22/2005 6:00 AM
Visit Comment: // //

Activity: 051122060001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.49	Detected and Quantified	F	Actual				11/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	5.37499 µeq/L	Detected and Quantified	F	Actual				12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/28/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	28.63357 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	53.04499 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	21.24778 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	49.9161 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_AutoStream	94.454 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	2.00018 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	107.44218 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	25.30046 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	25.49 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	154.84262 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	138.15813 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.89225	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/22/2005 8:00 AM
Visit Comment: // //

Activity: 051122080001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.45	Detected and Quantified	F	Actual				11/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	3.66978 µeq/L	Detected and Quantified	F	Actual				12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	21.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/28/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_AutoStream *Dilution:* N	29.50248 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.468 ueq/L	1.488 ueq/L	6/14/2007
Mg_Ions_AutoStream *Dilution:* N	50.57648 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.218 ueq/L	0.694 ueq/L	6/14/2007
Na_Ions_AutoStream *Dilution:* N	21.98057 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.029 ueq/L	0.091 ueq/L	6/14/2007
K_Ions_AutoStream *Dilution:* N	49.05019 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.029 ueq/L	0.092 ueq/L	6/14/2007
SiO2_TC_AutoStream *Dilution:* N	94.255 µmol/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
NH4_Ions_AutoStream *Dilution:* N	2.21796 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.013 ueq/L	0.04 ueq/L	6/14/2007
NO3_Ions_AutoStream *Dilution:* N	*Non-detect *Recovery:* N	*Non-detect *Correction:* N	F	Actual	0.081 ueq/L	0.258 ueq/L	6/14/2007
SO4_Ions_AutoStream *Dilution:* N	110.82487 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.31 ueq/L	0.986 ueq/L	6/14/2007
Cl_Ions_AutoStream *Dilution:* N	24.86288 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.076 ueq/L	0.242 ueq/L	6/14/2007
T_AL_TC_AutoStream *Dilution:* N	23.9 µg/l *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	1.524 ug/l	4.845 ug/l	6/20/2007
SBC_IC2_AUTO *Dilution:* N	153.32768 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/6/2008
SAA_2PT_IC2_AUTO *Dilution:* N	139.39803 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/18/2008
IONRATIO_2PT_IC2_AUTO *Dilution:* N	0.90915 *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/18/2008

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/22/2005 10:00 AM
Visit Comment: // //

Activity: 051122100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.54	Detected and Quantified	F	Actual				11/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	3.66978 µeq/L	Detected and Quantified	F	Actual				12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/28/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	28.28672 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	51.58845 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	21.90115 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	50.0533 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	95.45 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	1.2594 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	112.14742 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	24.56902 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_AutoStream	23.27 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		6/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_AUTO	153.08902 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_2PT_IC2_AUTO	140.42672 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_AUTO	0.91729	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/22/2005 12:00 PM
Visit Comment: // //

Activity: 051122120001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.41	Detected and Quantified	F	Actual				11/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	3.66978 µeq/L	Detected and Quantified	F	Actual				12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	21.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/28/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	28.53162 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	52.13392 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	22.65722 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	50.16948 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	93.674 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	112.58097 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	24.00985 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	22.733 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	153.49874 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	140.3011 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.91402	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/22/2005 2:00 PM

Visit Comment: SUSIE MABEN // Event in progress. // Rain, then clearing, cold & breezy Fall-like

Activity: 051122140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.16	Detected and Quantified	F	Actual				11/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-1.38591 µeq/L	Detected and Quantified	F	Actual				12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	22.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/28/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	27.17842 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	46.40975 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Na_Ions_Grab	21.09445 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	49.24224 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	93.657 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	112.89997 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	23.8136 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	22.838 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	5/23/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	143.93136 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	135.36816 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.9405	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05112214000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9 °C	Detected and Quantified	F	Actual				11/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/22/2005 8:00 PM
Visit Comment: // //

Activity: 051122200001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.8	Detected and Quantified	F	Actual				11/30/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	6.16952 µeq/L	Detected and Quantified	F	Actual				1/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/30/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	27.99568 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	46.42282 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	21.63335 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	48.81195 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	95.068 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	112.21402 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	23.56318 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_AutoStream	18.879 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		6/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_AUTO	144.8703 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_2PT_IC2_AUTO	141.98722 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_AUTO	0.9801	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/23/2005 6:00 AM
Visit Comment: // //

Activity: 051123060001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.79	Detected and Quantified	F	Actual				11/30/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	0.37553 µeq/L	Detected and Quantified	F	Actual				1/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/30/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	28.66388 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	48.80917 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	21.14089 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	47.70494 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	95.467 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_AutoStream	2.20827 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	111.96701 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	23.35381 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	15.981 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	146.32538 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	137.90462 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.94245	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/23/2005 8:00 AM

Visit Comment: // //

Activity: 051123080001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.78	Detected and Quantified	F	Actual				11/30/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	3.00689 µeq/L	Detected and Quantified	F	Actual				1/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/30/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	28.06046 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	51.37216 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Na_Ions_AutoStream	22.12003 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	47.18095 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	95.467 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	1.01442 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	111.68588 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	22.95525 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	15.91 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	148.7401 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	138.66244 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.93225	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/29/2005 4:00 AM
Visit Comment: // //

Activity: 051129040001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.61	Detected and Quantified	F	Actual				11/30/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_AutoStream *Dilution:* N	3.66978 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			1/6/2006
Cond_VWR_Manual_AutoStream *Dilution:* N	20.7 µS/cm *Recovery:* N	Detected and Quantified *Correction:* Y	F	Actual	0.162 uS/cm	0.515 uS/cm	11/30/2005
Ca_Ions_AutoStream *Dilution:* N	30.42511 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.468 ueq/L	1.488 ueq/L	6/14/2007
Mg_Ions_AutoStream *Dilution:* N	52.56 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.218 ueq/L	0.694 ueq/L	6/14/2007
Na_Ions_AutoStream *Dilution:* N	22.68167 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.029 ueq/L	0.091 ueq/L	6/14/2007
K_Ions_AutoStream *Dilution:* N	48.93526 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.029 ueq/L	0.092 ueq/L	6/14/2007
SiO2_TC_AutoStream *Dilution:* N	90.138 µmol/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
NH4_Ions_AutoStream *Dilution:* N	*Non-detect *Recovery:* N	*Non-detect *Correction:* N	F	Actual	0.013 ueq/L	0.04 ueq/L	6/14/2007
NO3_Ions_AutoStream *Dilution:* N	*Non-detect *Recovery:* N	*Non-detect *Correction:* N	F	Actual	0.081 ueq/L	0.258 ueq/L	6/14/2007
SO4_Ions_AutoStream *Dilution:* N	107.97449 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.31 ueq/L	0.986 ueq/L	6/14/2007
Cl_Ions_AutoStream *Dilution:* N	26.22346 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.076 ueq/L	0.242 ueq/L	6/14/2007
T_AL_TC_AutoStream *Dilution:* N	26.192 µg/l *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	1.524 ug/l	4.845 ug/l	6/20/2007
SBC_IC2_AUTO *Dilution:* N	154.60854 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/6/2008
SAA_2PT_IC2_AUTO *Dilution:* N	137.90823 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/18/2008
IONRATIO_2PT_IC2_AUTO *Dilution:* N	0.89198 *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/18/2008

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/29/2005 6:00 AM
Visit Comment: // //

Activity: 051129060001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.53	Detected and Quantified	F	Actual				11/30/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	6.11322 µeq/L	Detected and Quantified	F	Actual				1/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	22 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/30/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	32.6723 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	59.18045 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	21.0253 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	54.11181 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	84.743 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	111.31168 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	28.64799 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_AutoStream	36.326 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		6/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_AUTO	166.99636 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_2PT_IC2_AUTO	146.11339 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_AUTO	0.87495	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/29/2005 8:00 AM
Visit Comment: // //

Activity: 051129080001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.47	Detected and Quantified	F	Actual				11/30/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	6.16952 µeq/L	Detected and Quantified	F	Actual				1/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	23.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/30/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	35.79703 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	59.10042 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	21.59364 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	54.75906 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	85.656 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	2.16557 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_AutoStream	111.76155 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_AutoStream	30.26889 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N						
T_AL_TC_AutoStream	38.714 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		6/20/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_AUTO	173.41572 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_AUTO	148.24046 µeq/L	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_AUTO	0.85483	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/29/2005 10:00 AM
Visit Comment: // //

Activity: 051129100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.39	Detected and Quantified	F	Actual				11/30/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	4.40213 µeq/L	Detected and Quantified	F	Actual				1/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	24 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/30/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	36.98348 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	59.04039 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Na_Ions_AutoStream	20.48789 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	56.2642 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	84.411 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	3.82211 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	0.73676 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	113.01161 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	31.41237 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	39.699 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	176.59807 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	149.56287 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.84691	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/29/2005 12:00 PM
Visit Comment: // //

Activity: 051129120001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.34	Detected and Quantified	F	Actual				11/30/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_AutoStream	-0.59733 µeq/L	Detected and Quantified	F	Actual			1/6/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	24.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	11/30/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_AutoStream	38.06778 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	62.26745 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	19.17205 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	55.64669 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	83.166 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	3.16029 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	114.82747 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	30.1198 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	38.567 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	178.31426 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	144.39044 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.80975	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/29/2005 1:00 PM

Visit Comment: SUSIE MABEN // Stream high, fast-flowing, carrying leaves and debris. Raining during site visit. // Rain heavy at times, windy, mild Some precip., fall-like

Activity: 051129130001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.31	Detected and Quantified	F	Actual				11/30/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	5.37499 µeq/L	Detected and Quantified	F	Actual				1/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	24.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/30/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	38.4658 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	59.70685 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	19.02951 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	54.82411 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	78.568 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	115.05326 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	28.41555 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	172.03277 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	148.8843 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.86544	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05112913000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11.8 °C	Detected and Quantified	F	Actual				11/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/29/2005 2:00 PM
Visit Comment: // //

Activity: 051129140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.37	Detected and Quantified	F	Actual				12/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	7.93812 µeq/L	Detected and Quantified	F	Actual				1/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	24.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		12/10/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	37.67678 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	55.39565 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	18.3082 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	54.25079 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_AutoStream	80.327 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	8.6388 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	114.07889 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	30.30716 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	40.003 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	174.27022 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	152.36467 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.8743	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/29/2005 4:00 PM
Visit Comment: // //

Activity: 051129160001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.26	Detected and Quantified	F	Actual				12/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	-1.32972 µeq/L	Detected and Quantified	F	Actual				1/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	24.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		12/10/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_AutoStream *Dilution:* N	38.38898 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.468 ueq/L	1.488 ueq/L	6/15/2007
Mg_Ions_AutoStream *Dilution:* N	58.36217 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.218 ueq/L	0.694 ueq/L	6/15/2007
Na_Ions_AutoStream *Dilution:* N	18.11937 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.029 ueq/L	0.091 ueq/L	6/15/2007
K_Ions_AutoStream *Dilution:* N	54.37478 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.029 ueq/L	0.092 ueq/L	6/15/2007
SiO2_TC_AutoStream *Dilution:* N	81.855 µmol/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
NH4_Ions_AutoStream *Dilution:* N	3.44229 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.013 ueq/L	0.04 ueq/L	6/15/2007
NO3_Ions_AutoStream *Dilution:* N	0.70393 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.081 ueq/L	0.258 ueq/L	6/15/2007
SO4_Ions_AutoStream *Dilution:* N	114.53299 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.31 ueq/L	0.986 ueq/L	6/15/2007
Cl_Ions_AutoStream *Dilution:* N	28.99249 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.076 ueq/L	0.242 ueq/L	6/15/2007
T_AL_TC_AutoStream *Dilution:* N	38.287 µg/l *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	1.524 ug/l	4.845 ug/l	6/20/2007
SBC_IC2_AUTO *Dilution:* N	172.68759 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/6/2008
SAA_2PT_IC2_AUTO *Dilution:* N	142.89969 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/18/2008
IONRATIO_2PT_IC2_AUTO *Dilution:* N	0.8275 *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/18/2008

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/29/2005 6:00 PM
Visit Comment: // //

Activity: 051129180001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.31	Detected and Quantified	F	Actual				12/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	6.16952 µeq/L	Detected and Quantified	F	Actual				1/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	24 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		12/10/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	35.66736 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	60.0087 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	17.63756 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	52.19976 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	76.46 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	6.51482 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	0.67679 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		6/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	114.86381 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	28.88053 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_AutoStream	37.354 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		6/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_AUTO	172.0282 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_2PT_IC2_AUTO	150.59065 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_AUTO	0.87538	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/30/2005 6:00 AM
Visit Comment: // //

Activity: 051130060001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.3	Detected and Quantified	F	Actual				12/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	0.31673 µeq/L	Detected and Quantified	F	Actual				1/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	22.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		12/10/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	34.6814 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	55.31608 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	20.0429 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	48.13118 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	92.495 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_AutoStream	1.3691 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		6/15/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_AutoStream	116.06826 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/15/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_AutoStream	25.85645 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/15/2007
Dilution: N	*Recovery:* N	*Correction:* N						
T_AL_TC_AutoStream	33.217 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		6/20/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_AUTO	158.17806 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_AUTO	143.61054 µeq/L	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_AUTO	0.9079	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/30/2005 8:00 AM

Visit Comment: // //

Activity: 051130080001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.32	Detected and Quantified	F	Actual				12/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	-8.82895 µeq/L	Detected and Quantified	F	Actual				1/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	22.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		12/10/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	34.93317 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	59.4181 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Na_Ions_AutoStream	20.36144 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	49.01789 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	83.564 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	4.71982 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	117.42196 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	25.73454 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	34.326 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	163.7371 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	139.04737 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.84921	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 12/1/2005 2:00 AM
Visit Comment: // //

Activity: 051201020001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.43	Detected and Quantified	F	Actual				12/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_AutoStream	-0.59733 µeq/L	Detected and Quantified	F	Actual			1/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	21.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	12/10/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_AutoStream	33.54853 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	54.22188 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	19.74477 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	46.67962 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	87.316 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	0.11835 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	114.94109 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	24.93065 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	27.146 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	154.31315 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	139.31491 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.90281	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

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Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 12/1/2005 6:00 AM
Visit Comment: // //

Activity: 051201060001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.44	Detected and Quantified	F	Actual				12/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	6.16952 µeq/L	Detected and Quantified	F	Actual				1/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	21.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		12/10/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	32.71688 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	53.43951 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	21.09659 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	46.79031 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	86.984 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	8.0582 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	0.7466 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		6/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	114.5649 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	25.96884 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_AutoStream	26.24 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		6/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_AUTO	162.10149 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_2PT_IC2_AUTO	147.44986 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_AUTO	0.90961	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 12/1/2005 12:00 PM
Visit Comment: // //

Activity: 051201120001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.46	Detected and Quantified	F	Actual				12/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	-13.88445 µeq/L	Detected and Quantified	F	Actual				1/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	21.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		12/10/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	33.18263 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	53.89414 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	19.78095 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	45.71769 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	87.167 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	0.12636 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_AutoStream	1.52335 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	113.43139 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	24.60214 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	25.014 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	152.70177 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	125.67243 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.82299	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PAIN **Visit Date:** 12/6/2005 2:50 PM

Visit Comment: SUSIE MABEN // // Cold, partly sunny Snow 12/5, large precip. event last week

Activity: 051206145001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.49	Detected and Quantified	F	Actual				12/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-3.09705 µeq/L	Detected and Quantified	F	Actual				1/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		12/10/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	31.63612 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	52.4143 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Na_Ions_Grab	20.67148 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	43.1303 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	92.91 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	113.02959 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	22.85906 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	15.636 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	5/23/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	147.8587 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	132.8321 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.89837	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05120614500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	5.8 °C	Detected and Quantified	F	Actual				12/6/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 12/13/2005 10:45 AM
Visit Comment: CHRIS MOORE // // Cold, clear Cold, snow

Activity: 051213104501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.14	Detected and Quantified	F	Actual				1/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-3.09705 µeq/L	Detected and Quantified	F	Actual				1/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	22.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/4/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	32.26762 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	54.78802 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	21.24969 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	41.58889 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	92.91 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	113.53067 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	22.5489 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	149.90072 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	133.02302 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.88741	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05121310450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	2.5 °C	Detected and Quantified	F	Actual				12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 12/21/2005 10:00 AM
Visit Comment: CHRIS MOORE // // Clear, cold Clear, cold

Activity: 051221100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.38	Detected and Quantified	F	Actual				1/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	2.87526 µeq/L	Detected and Quantified	F	Actual				1/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	21.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/4/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	32.02552 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	56.06191 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	21.73866 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	41.18395 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	92.147 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	0.1146 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	115.44252 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	22.89295 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	151.12464 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	141.25123 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.93467	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05122110000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	0.5 °C	Detected and Quantified	F	Actual				12/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 12/28/2005 9:15 AM
Visit Comment: CHRIS MOORE // // Clear, cool Clear, cool

Activity: 051228091501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.43	Detected and Quantified	F	Actual				1/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	-1.32972 µeq/L	Detected and Quantified	F	Actual			1/11/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	20.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	1/5/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	30.76369 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	52.62386 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	21.66964 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	41.83953 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	90.968 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	112.321 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	22.1231 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	146.90322 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	133.15488 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.90641	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05122809150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4 °C	Detected and Quantified	F	Actual				12/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 1/3/2006 10:05 AM
Visit Comment: CHRIS MOORE // // Light rain, warm Scattered showers, warm

Activity: 060103100501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.68	Detected and Quantified	F	Actual				1/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	2.81649 µeq/L	Detected and Quantified	F	Actual				1/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/5/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	30.09997 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	50.80046 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	21.54107 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	42.20437 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	88.793 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	0.70315 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_Grab	110.26066 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	21.5236 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	144.65237 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	135.3039 µeq/L	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.93537	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06010310050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6 °C	Detected and Quantified	F	Actual				1/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PAIN **Visit Date:** 1/11/2006 8:30 AM

Visit Comment: CHRIS MOORE // // Cloudy, warm Scattered showers, warm

Activity: 060111083001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.77	Detected and Quantified	F	Actual				1/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	2.87526 µeq/L	Detected and Quantified	F	Actual				2/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/13/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	30.53669 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	51.47797 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	22.22878 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	42.3614 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	83.365 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	111.89088 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	22.31447 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	146.61134 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	137.12111 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.93527	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06011108300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6 °C	Detected and Quantified	F	Actual				1/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 1/14/2006 4:00 AM
Visit Comment: // //

Activity: 060114040001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.46	Detected and Quantified	F	Actual				1/22/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	2.87526 µeq/L	Detected and Quantified	F	Actual				2/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/22/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	31.60926 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	52.06771 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	21.61129 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	44.56842 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	82.153 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	108.08139 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	23.30911 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_AutoStream	25.757 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		6/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_AUTO	149.86318 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_2PT_IC2_AUTO	134.30626 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_AUTO	0.89619	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 1/14/2006 6:00 AM
Visit Comment: // //

Activity: 060114060001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.56	Detected and Quantified	F	Actual				1/22/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	1.85389 µeq/L	Detected and Quantified	F	Actual				2/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/22/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	30.91953 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	51.93895 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	21.46899 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	44.42186 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	82.519 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_AutoStream	109.09501 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_AutoStream	22.68445 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N						
T_AL_TC_AutoStream	27.645 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		6/20/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_AUTO	148.75583 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_AUTO	133.67385 µeq/L	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_AUTO	0.89861	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 1/14/2006 8:00 AM
Visit Comment: // //

Activity: 060114080001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.59	Detected and Quantified	F	Actual				1/22/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	-0.64589 µeq/L	Detected and Quantified	F	Actual				2/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/22/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	31.20712 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	53.09425 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Na_Ions_AutoStream	21.71852 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	45.06041 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	83.764 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	0.08531 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	4.54833 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	111.11368 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	23.27639 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	25.294 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	151.16561 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	138.29251 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.91484	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 1/14/2006 10:00 AM
Visit Comment: // //

Activity: 060114100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.58	Detected and Quantified	F	Actual				1/22/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_AutoStream	-13.88445 µeq/L	Detected and Quantified	F	Actual			2/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	20.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	1/22/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_AutoStream	31.23189 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	53.62727 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	21.88534 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	45.76256 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	85.075 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	0.04832 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	0.85792 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	111.51043 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	23.08218 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	23.393 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	152.55538 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	121.56608 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.79687	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

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Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 1/14/2006 12:00 PM
Visit Comment: // //

Activity: 060114120001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.56	Detected and Quantified	F	Actual				1/22/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	0.79213 µeq/L	Detected and Quantified	F	Actual				2/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/22/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	31.4139 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	53.96153 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	21.87539 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	46.08823 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	85.241 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	0.06809 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	3.97786 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	110.67195 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	22.96012 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_AutoStream	22.531 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		6/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_AUTO	153.40714 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_2PT_IC2_AUTO	138.40206 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_AUTO	0.90219	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 1/14/2006 2:00 PM
Visit Comment: // //

Activity: 060114140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.64	Detected and Quantified	F	Actual				1/22/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	-11.3287 µeq/L	Detected and Quantified	F	Actual				2/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/22/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	31.4079 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	54.13429 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	21.7437 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	45.96163 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	85.241 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_AutoStream	111.46846 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_AutoStream	23.07768 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N						
T_AL_TC_AutoStream	21.458 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		6/20/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_AUTO	153.25402 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_AUTO	123.25794 µeq/L	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_AUTO	0.80427	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 1/14/2006 6:00 PM
Visit Comment: // //

Activity: 060114180001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.66	Detected and Quantified	F	Actual				1/22/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	-2.18303 µeq/L	Detected and Quantified	F	Actual				2/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/22/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	32.08652 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	55.2679 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Na_Ions_AutoStream	22.07744 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	46.31013 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	86.918 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	113.26103 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	23.02307 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	19.016 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/21/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	155.74849 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	134.14157 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.86127	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 1/14/2006 10:00 PM
Visit Comment: // //

Activity: 060114220001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.61	Detected and Quantified	F	Actual				1/22/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_AutoStream *Dilution:* N	0.79213 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/9/2006
Cond_VWR_Manual_AutoStream *Dilution:* N	21 µS/cm *Recovery:* N	Detected and Quantified *Correction:* Y	F	Actual	0.162 uS/cm	0.515 uS/cm	1/22/2006
Ca_Ions_AutoStream *Dilution:* N	31.72903 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.468 ueq/L	1.488 ueq/L	6/27/2007
Mg_Ions_AutoStream *Dilution:* N	54.74863 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.218 ueq/L	0.694 ueq/L	6/27/2007
Na_Ions_AutoStream *Dilution:* N	21.90952 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.029 ueq/L	0.091 ueq/L	6/27/2007
K_Ions_AutoStream *Dilution:* N	45.94989 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.029 ueq/L	0.092 ueq/L	6/27/2007
SiO2_TC_AutoStream *Dilution:* N	86.718 µmol/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
NH4_Ions_AutoStream *Dilution:* N	0.06764 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.013 ueq/L	0.04 ueq/L	6/27/2007
NO3_Ions_AutoStream *Dilution:* N	6.6639 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.081 ueq/L	0.258 ueq/L	6/27/2007
SO4_Ions_AutoStream *Dilution:* N	111.59073 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.31 ueq/L	0.986 ueq/L	6/27/2007
Cl_Ions_AutoStream *Dilution:* N	22.83049 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.076 ueq/L	0.242 ueq/L	6/27/2007
T_AL_TC_AutoStream *Dilution:* N	19.711 µg/l *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	1.524 ug/l	4.845 ug/l	6/21/2007
SBC_IC2_AUTO *Dilution:* N	154.40471 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/6/2008
SAA_2PT_IC2_AUTO *Dilution:* N	141.87725 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/18/2008
IONRATIO_2PT_IC2_AUTO *Dilution:* N	0.91887 *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/18/2008

NPSTORET Results with Comments

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Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 1/15/2006 2:00 PM
Visit Comment: // //

Activity: 060115140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.62	Detected and Quantified	F	Actual				1/22/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	2.87526 µeq/L	Detected and Quantified	F	Actual				2/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/22/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	31.40939 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	54.18745 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	21.86369 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	45.06516 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	88.312 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	0.21567 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	7.56173 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	111.98825 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	22.71744 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_AutoStream	18.328 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		6/21/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_AUTO	152.74136 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_2PT_IC2_AUTO	145.14268 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_AUTO	0.95025	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 1/16/2006 12:00 AM
Visit Comment: // //

Activity: 060116000001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.59	Detected and Quantified	F	Actual				1/22/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	1.17003 µeq/L	Detected and Quantified	F	Actual				2/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/22/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	31.29315 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	53.89305 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	21.67536 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	44.43681 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	86.785 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	0.05189 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_AutoStream	2.44948 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	112.05633 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	22.73728 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	18.194 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/21/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	151.35026 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	138.41312 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.91452	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PAIN **Visit Date:** 1/17/2006 3:00 PM

Visit Comment: SUSIE MABEN // // Cold, cloudy, occasional sprinkles Cool, some rain

Activity: 060117150001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.6	Detected and Quantified	F	Actual				1/22/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-0.64589 µeq/L	Detected and Quantified	F	Actual				2/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/22/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	30.3065 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	52.22023 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Na_Ions_Grab	21.62497 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	43.78404 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	86.071 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	1.37683 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	112.44872 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	22.42364 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	147.94224 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	135.6033 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.9166	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06011715000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6 °C	Detected and Quantified	F	Actual				1/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 1/18/2006 2:00 PM
Visit Comment: // //

Activity: 060118140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.63	Detected and Quantified	F	Actual				2/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	1.17003 µeq/L	Detected and Quantified	F	Actual				2/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/1/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	31.54863 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	53.35915 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	22.22841 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	45.10791 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	86.386 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	0.18095 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	0.70762 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	112.40125 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	23.75556 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_AutoStream	18.904 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		6/21/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_AUTO	152.42505 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_2PT_IC2_AUTO	138.03446 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_AUTO	0.90559	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 1/18/2006 4:00 PM
Visit Comment: // //

Activity: 060118160001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.61	Detected and Quantified	F	Actual				2/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	-1.38591 µeq/L	Detected and Quantified	F	Actual				2/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/1/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	30.9468 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	52.24342 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	21.9197 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	44.63369 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	85.424 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	0.0996 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_AutoStream	3.43016 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	111.20785 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	23.50868 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	20.004 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/21/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	149.84321 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	136.76078 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.91269	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 1/18/2006 6:00 PM
Visit Comment: // //

Activity: 060118180001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.67	Detected and Quantified	F	Actual				2/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	1.17003 µeq/L	Detected and Quantified	F	Actual				2/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/1/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	31.9154 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	54.2308 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Na_Ions_AutoStream	22.3305 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	45.8013 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	86.702 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	113.70413 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	23.54864 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	18.295 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/21/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	154.2845 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	138.4633 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.89745	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 1/18/2006 8:00 PM
Visit Comment: // //

Activity: 060118200001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.61	Detected and Quantified	F	Actual				2/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_AutoStream	2.81649 µeq/L	Detected and Quantified	F	Actual			2/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	20.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	2/1/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_AutoStream	31.12934 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	52.91181 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	21.73731 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	44.5864 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	85.955 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	0.05745 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	3.85109 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	111.9357 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	23.37766 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	19.139 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/21/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	150.42231 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	141.98094 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.94388	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 1/18/2006 10:00 PM
Visit Comment: // //

Activity: 060118220001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.65	Detected and Quantified	F	Actual				2/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	1.17003 µeq/L	Detected and Quantified	F	Actual				2/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/1/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	29.77801 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	51.69432 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	21.69405 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	44.77027 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	86.303 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	0.12531 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	4.88702 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	111.44538 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	22.84979 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_AutoStream	17.884 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		6/21/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_AUTO	148.06196 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_2PT_IC2_AUTO	140.35222 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_AUTO	0.94793	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 1/19/2006 6:00 PM
Visit Comment: // //

Activity: 060119180001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.7	Detected and Quantified	F	Actual				2/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	1.85389 µeq/L	Detected and Quantified	F	Actual				2/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/1/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	31.22723 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	52.67554 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	21.73336 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	45.19708 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	85.805 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	0.04873 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_AutoStream	3.70138 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_AutoStream	112.68411 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_AutoStream	22.93158 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N						
T_AL_TC_AutoStream	16.739 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		6/21/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_AUTO	150.88194 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_AUTO	141.17096 µeq/L	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_AUTO	0.93564	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 1/19/2006 8:00 PM
Visit Comment: // //

Activity: 060119200001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.72	Detected and Quantified	F	Actual				2/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	1.85389 µeq/L	Detected and Quantified	F	Actual				2/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	31.26331 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	52.47859 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Na_Ions_AutoStream	21.56203 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	44.90877 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	86.204 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	0.13468 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	6.16 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	111.77555 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	22.78272 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	17.261 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/21/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	150.34738 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	142.57216 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.94828	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 1/20/2006 12:00 AM
Visit Comment: // //

Activity: 060120000001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.66	Detected and Quantified	F	Actual				2/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_AutoStream *Dilution:* N	1.17003 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/13/2006
Cond_VWR_Manual_AutoStream *Dilution:* N	20.9 µS/cm *Recovery:* N	Detected and Quantified *Correction:* Y	F	Actual	0.162 uS/cm	0.515 uS/cm	2/2/2006
Ca_Ions_AutoStream *Dilution:* N	30.78123 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.468 ueq/L	1.488 ueq/L	6/27/2007
Mg_Ions_AutoStream *Dilution:* N	52.09832 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.218 ueq/L	0.694 ueq/L	6/27/2007
Na_Ions_AutoStream *Dilution:* N	21.41796 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.029 ueq/L	0.091 ueq/L	6/27/2007
K_Ions_AutoStream *Dilution:* N	44.31205 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.029 ueq/L	0.092 ueq/L	6/27/2007
SiO2_TC_AutoStream *Dilution:* N	86.171 µmol/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
NH4_Ions_AutoStream *Dilution:* N	*Non-detect *Recovery:* N	*Non-detect *Correction:* N	F	Actual	0.013 ueq/L	0.04 ueq/L	6/27/2007
NO3_Ions_AutoStream *Dilution:* N	4.9495 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.081 ueq/L	0.258 ueq/L	6/27/2007
SO4_Ions_AutoStream *Dilution:* N	111.05183 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.31 ueq/L	0.986 ueq/L	6/27/2007
Cl_Ions_AutoStream *Dilution:* N	22.57855 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.076 ueq/L	0.242 ueq/L	6/27/2007
T_AL_TC_AutoStream *Dilution:* N	17.682 µg/l *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	1.524 ug/l	4.845 ug/l	6/21/2007
SBC_IC2_AUTO *Dilution:* N	148.61606 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/6/2008
SAA_2PT_IC2_AUTO *Dilution:* N	139.74991 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/18/2008
IONRATIO_2PT_IC2_AUTO *Dilution:* N	0.94034 *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/18/2008

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 1/20/2006 2:00 AM
Visit Comment: // //

Activity: 060120020001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.65	Detected and Quantified	F	Actual				2/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	1.17003 µeq/L	Detected and Quantified	F	Actual				2/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	31.0555 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	52.54589 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	21.54043 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	44.68911 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	85.955 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	5.07189 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	110.78122 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	22.39111 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_AutoStream	17.956 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		6/21/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_AUTO	149.83743 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_2PT_IC2_AUTO	139.41425 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_AUTO	0.93044	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 1/24/2006 1:00 PM
Visit Comment: SUSIE MABEN // // Foggy and misting, then clear and sunny Cool, some rainy days

Activity: 060124130001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.64	Detected and Quantified	F	Actual				2/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	2.02012 µeq/L	Detected and Quantified	F	Actual				2/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	29.87754 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	50.38626 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	21.57672 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	42.83557 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	84.195 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/27/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_Grab	110.83822 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/27/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	22.18737 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/27/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	144.68259 µeq/L	Detected and Quantified	F	Actual			2/6/2008	
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	135.08621 µeq/L	Detected and Quantified	F	Actual			2/18/2008	
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.93367	Detected and Quantified	F	Actual			2/18/2008	
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06012413000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6.9 °C	Detected and Quantified	F	Actual				1/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 1/31/2006 2:45 PM
Visit Comment: SUSIE MABEN // // Windy, cool Some light precip.

Activity: 060131144501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.77	Detected and Quantified	F	Actual				2/7/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	2.81649 µeq/L	Detected and Quantified	F	Actual				2/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/7/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	29.77686 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	50.32164 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	21.73786 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	42.53025 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	80.543 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	112.18241 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	22.19672 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	13.754 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	5/23/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	144.37311 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	137.23612 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.95057	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06013114450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6 °C	Detected and Quantified	F	Actual				1/31/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 060131144 5S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Non-detect	*Non-detect	F	Actual	0.172339614 mg/l	0.548039971 mg/l		3/30/2006				
Dilution: N *Recovery:* N *Correction:* N												
Result Comment: Reported value of 0.1.												
Non-filterable Residue	*Non-detect	*Non-detect	F	Actual	0.179602815 mg/l	0.571136951 mg/l		3/30/2006				
Dilution: N *Recovery:* N *Correction:* N												
Result Comment: Reported value of 0.1.												

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 2/7/2006 9:15 AM
Visit Comment: FAD // // Clear, cold, windy Some rain

Activity: 060207091501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.67	Detected and Quantified	F	Actual				2/8/2006				
Dilution: N *Recovery:* N *Correction:* N												
ANC_Manual_Grab	1.17003 µeq/L	Detected and Quantified	F	Actual				2/17/2006				
Dilution: N *Recovery:* N *Correction:* N												
Cond_VWR_Manual_Grab	20.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/8/2006				
Dilution: N *Recovery:* N *Correction:* Y												
Ca_Ions_Grab	28.21967 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/29/2007				
Dilution: N *Recovery:* N *Correction:* N												
Mg_Ions_Grab	49.75064 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/29/2007				
Dilution: N *Recovery:* N *Correction:* N												
Na_Ions_Grab	21.54632 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/29/2007				
Dilution: N *Recovery:* N *Correction:* N												

K_Ions_Grab	41.34903 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	83.05 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	1.31745 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	109.40639 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	22.4912 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	140.87216 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	134.38507 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.95395	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06020709150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	3.5 °C	Detected and Quantified	F	Actual				2/7/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 2/14/2006 9:30 AM
Visit Comment: FAD // // clear, Cold Cold, significant snow (4-10" from south to north)

Activity: 060214093001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.63	Detected and Quantified	F	Actual				2/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	1.17003 µeq/L	Detected and Quantified	F	Actual				2/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/15/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	29.54975 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	51.42778 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	21.52485 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	39.23945 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	74.966 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	110.38842 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	21.75043 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	141.74833 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	133.34938 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.94075	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06021409300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	2.5 °C	Detected and Quantified	F	Actual				2/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 2/20/2006 4:20 PM
Visit Comment: FAD // // clear, cold cold

Activity: 060220162001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.74	Detected and Quantified	F	Actual				2/21/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	2.81649 µeq/L	Detected and Quantified	F	Actual				2/21/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/21/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	27.32259 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	47.7116 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	21.04321 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	39.28586 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	71.778 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	111.20432 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	22.51289 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	135.36976 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	136.5742 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	1.0089	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06022016200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	5 °C	Detected and Quantified	F	Actual				2/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PAIN **Visit Date:** 2/28/2006 1:40 PM

Visit Comment: SUSIE MABEN // // Mostly sunny, warm Clouds & sun, some precip.

Activity: 060228134001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.78	Detected and Quantified	F	Actual				3/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	3.66978 µeq/L	Detected and Quantified	F	Actual			3/1/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	19.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	3/1/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	28.61082 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	49.74213 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	22.23456 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	40.92817 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	65.404 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	111.28828 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	21.79406 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	141.52218 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	136.79262 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.96658	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06022813400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6.5 °C	Detected and Quantified	F	Actual				2/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 3/7/2006 1:35 PM
Visit Comment: SUSIE MABEN // // Sunny, cold Mostly sunny, cool, little precip.

Activity: 060307133501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.8	Detected and Quantified	F	Actual				3/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	3.66978 µeq/L	Detected and Quantified	F	Actual				3/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/8/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	28.61468 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	49.50981 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	22.24436 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	41.2212 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	62.051 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	0.46393 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	112.09271 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	21.51235 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	141.59655 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	137.73877 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.97276	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06030713350F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6.5 °C	Detected and Quantified	F	Actual				3/7/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PAIN **Visit Date:** 3/14/2006 9:30 AM

Visit Comment: FAD // // clear, cold, windy dry, warm

Activity: 060314093001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.89	Detected and Quantified	F	Actual				3/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	3.66978 µeq/L	Detected and Quantified	F	Actual				3/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/15/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	27.36675 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	47.38422 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	22.37224 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	43.15237 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	56.423 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	110.34167 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	21.40697 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	140.28208 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	135.45892 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.96562	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06031409300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11 °C	Detected and Quantified	F	Actual				3/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 3/21/2006 10:25 AM
Visit Comment: SUSIE MABEN // // Cloudy, light wintry mix Cool, mostly dry

Activity: 060321102501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.84	Detected and Quantified	F	Actual				3/22/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	5.37499 µeq/L	Detected and Quantified	F	Actual				3/22/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/22/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	28.87642 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	49.96812 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	22.5381 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	41.15781 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	53.917 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	0.15001 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	110.96509 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	21.22829 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	142.69046 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	137.60887 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.96439	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06032110250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4.8 °C	Detected and Quantified	F	Actual				3/21/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 3/28/2006 10:25 AM
Visit Comment: FAD // // cloudy, cool cold, dry

Activity: 060328102501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.93	Detected and Quantified	F	Actual				3/29/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	5.31626 µeq/L	Detected and Quantified	F	Actual				3/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/29/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	28.08428 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	48.77885 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	22.34837 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	41.31403 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	49.02 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	110.39704 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	21.1547 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	9.972 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	140.53203 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	136.9085 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.97422	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06032810250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	7 °C	Detected and Quantified	F	Actual				3/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 4/4/2006 1:35 PM
Visit Comment: SUSIE MABEN // // Breezy, sunny, warm in afternoon Warm, shower yesterday afternoon

Activity: 060404133501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.93	Detected and Quantified	F	Actual				4/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	5.31626 µeq/L	Detected and Quantified	F	Actual				4/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/5/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	27.17959 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	47.0269 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	22.92919 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	43.45927 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	49.136 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	0.15963 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	0.68602 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	111.37758 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	22.05747 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	140.75458 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	139.43733 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.99064	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06040413350F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12 °C	Detected and Quantified	F	Actual				4/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 4/11/2006 10:00 AM
Visit Comment: FAD // // clear, cool some rain

Activity: 060411100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.96	Detected and Quantified	F	Actual				4/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	6.85345 µeq/L	Detected and Quantified	F	Actual				4/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/12/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	29.22016 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	50.58892 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	23.57463 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	44.23582 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	48.704 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	113.04921 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	22.25609 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	9.21 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	147.62603 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	142.19925 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.96324	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06041110000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9 °C	Detected and Quantified	F	Actual				4/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 4/19/2006 1:50 PM
Visit Comment: SUSIE MABEN // // Sunny, warm Mild, some thunderstorms and rain

Activity: 060419135001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.89	Detected and Quantified	F	Actual				4/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	4.40213 µeq/L	Detected and Quantified	F	Actual				4/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/24/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	27.16767 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	45.75486 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	23.40012 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	46.39037 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	48.14 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	115.57489 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	22.94538 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	142.71952 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	142.9629 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	1.00171	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06041913500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	15.8 °C	Detected and Quantified	F	Actual				4/19/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 4/25/2006 10:00 AM
Visit Comment: FAD // // clear, warm some rain

Activity: 060425100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.97	Detected and Quantified	F	Actual				4/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	6.16952 µeq/L	Detected and Quantified	F	Actual				5/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/26/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	28.91474 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	48.5707 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	23.31828 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	48.94593 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	66.234 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	0.46562 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	110.9568 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	22.61563 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	12.007 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	149.75615 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	140.20757 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.93624	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06042510000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	13 °C	Detected and Quantified	F	Actual				4/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0604251000S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Present <QL	*Present <QL	F	Actual	0.172339614 mg/l	0.548039971 mg/l		7/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Result Comment: Reported value of 0.30581.

Non-filterable Residue	*Present <QL	*Present <QL	F	Actual	0.179602815 mg/l	0.571136951 mg/l		7/11/2006			
Dilution: N	*Recovery:* N	*Correction:* N									
Result Comment: Reported value of 0.50968.											

Activity: 0604251000TB **Activity Type:** Quality Control Sample-Trip Blank **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** Yes

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.04	Detected and Quantified	F	Actual				4/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-1.32972 µeq/L	Detected and Quantified	F	Actual				5/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	*Present <QL	*Present <QL	F	Actual	0.162 uS/cm	0.515 uS/cm		4/26/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Result Comment: Reported value of 0.4.												
Ca_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.468 ueq/L	1.488 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.25588.												
Mg_Ions_Grab	*Present <QL	*Present <QL	F	Actual	0.218 ueq/L	0.694 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.46253.												
Na_Ions_Grab	0.21802 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	0.22043 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	*Non-detect	*Non-detect	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.531.												
NH4_Ions_Grab	0.11498 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	1.99661 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	0.40966 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	*Present <QL	*Present <QL	F	Actual	1.524 ug/l	4.845 ug/l	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 2.137.							
SBC_IC2_GRAB	1.24343 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	1.11705 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.89836	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 5/2/2006 10:10 AM
Visit Comment: FAD // // clear, cool nice

Activity: 060502101001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6	Detected and Quantified	F	Actual				5/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	7.81602 µeq/L	Detected and Quantified	F	Actual				5/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/4/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	28.83256 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	48.69695 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Na_Ions_Grab	23.02958 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	46.89778 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	55.693 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	110.77199 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	21.9496 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	147.46337 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	140.57811 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.95331	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06050210100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12 °C	Detected and Quantified	F	Actual				5/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 5/9/2006 10:00 AM
Visit Comment: FAD // // cloudy, drizzly, cool some rain

Activity: 060509100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.09	Detected and Quantified	F	Actual				5/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	6.90186 µeq/L	Detected and Quantified	F	Actual				5/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/11/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	27.09807 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	47.36087 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	23.06724 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	47.1328 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	62.134 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	110.1341 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	22.17144 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	144.66548 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	139.2479 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.96255	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06050910000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11 °C	Detected and Quantified	F	Actual				5/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 5/16/2006 9:00 AM
Visit Comment: FAD, CWM // changed probe height // Clear warm scattered t-storms, warm

Activity: 060516090001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.07	Detected and Quantified	F	Actual				5/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	10.31578 µeq/L	Detected and Quantified	F	Actual				5/18/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/17/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	28.1893 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	49.27016 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	23.58943 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	48.0035 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	62.814 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	1.08155 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	111.97623 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	21.98318 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	149.05889 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	145.35674 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.97516	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06051609000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11.5 °C	Detected and Quantified	F	Actual				5/16/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 5/23/2006 9:55 AM
Visit Comment: CHRIS MOORE // // Clear, cool Clear, cool

Activity: 060523095501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.07	Detected and Quantified	F	Actual				5/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	9.40159 µeq/L	Detected and Quantified	F	Actual			6/1/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	19.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	5/25/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	29.16675 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	49.8473 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	23.2013 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	47.38795 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	65.238 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	112.54414 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	21.75454 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	149.6098 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	143.74077 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.96077	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06052309550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11.5 °C	Detected and Quantified	F	Actual				5/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 5/30/2006 9:10 AM
Visit Comment: CHRIS MOORE // // Clear, hot, humid Cool, clear

Activity: 060530091001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.12	Detected and Quantified	F	Actual				6/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	12.81555 µeq/L	Detected and Quantified	F	Actual				6/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		6/1/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	28.99723 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	50.23225 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	24.09849 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	50.34525 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	67.828 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	0.64565 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	109.70127 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	22.06405 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	153.67972 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	145.22652 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.94499	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06053009100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	17 °C	Detected and Quantified	F	Actual				5/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PAIN **Visit Date:** 6/6/2006 5:35 PM

Visit Comment: SUSIE MABEN // // Mostly sunny, warm Warm, scattered thunderstorms

Activity: 060606173501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.19	Detected and Quantified	F	Actual				6/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	11.16902 µeq/L	Detected and Quantified	F	Actual				6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		6/8/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	28.59044 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	48.81907 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	24.40111 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	50.75153 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	70.318 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	2.6994 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	108.37954 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	22.01604 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	152.56865 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	144.264 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.94557	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06060617350F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	17.8 °C	Detected and Quantified	F	Actual				6/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 6/13/2006 7:55 AM
Visit Comment: CHRIS MOORE // // Clear, cool to warm Cool, scattered T-storms

Activity: 060613075501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.94	Detected and Quantified	F	Actual				6/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	10.43781 µeq/L	Detected and Quantified	F	Actual				6/29/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		6/27/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	29.66453 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	52.10933 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	24.56283 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	49.82921 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	74.534 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	106.12436 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	21.81657 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	156.1724 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	138.41924 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.88632	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06061307550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	13 °C	Detected and Quantified	F	Actual				6/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 6/20/2006 7:30 AM
Visit Comment: CHRIS MOORE // // Warm to hot, clear to hazy Hot, clear

Activity: 060620073001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.97	Detected and Quantified	F	Actual				6/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	15.37391 µeq/L	Detected and Quantified	F	Actual				6/29/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	21.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		6/27/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	30.56536 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	53.58706 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	25.33879 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	53.11873 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	80.859 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	105.26474 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	22.64097 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	162.61644 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	143.32012 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.88134	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06062007300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	17 °C	Detected and Quantified	F	Actual				6/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 6/27/2006 8:20 AM
Visit Comment: CHRIS MOORE // // Hot, humid, raining Hot, humid, rain

Activity: 060627082001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.85	Detected and Quantified	F	Actual				7/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	11.16902 µeq/L	Detected and Quantified	F	Actual			7/10/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	20.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	7/3/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	29.51773 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	49.62603 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	24.2024 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	52.2078 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	88.827 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	105.3822 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	20.89053 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	155.56046 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	137.48225 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.88379	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06062708200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18.5 °C	Detected and Quantified	F	Actual				6/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 6/27/2006 2:00 PM
Visit Comment: // //

Activity: 060627140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.65	Detected and Quantified	F	Actual				7/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	0.43904 µeq/L	Detected and Quantified	F	Actual				7/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	19.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/6/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	25.20962 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	41.38848 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	19.91469 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	48.93707 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	85.789 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	4.82907 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_AutoStream	86.16192 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_AutoStream	17.82757 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N						
T_AL_TC_AutoStream	36.118 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		6/21/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_AUTO	140.27893 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_AUTO	104.46903 µeq/L	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_AUTO	0.74472	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 6/27/2006 4:00 PM
Visit Comment: // //

Activity: 060627160001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.56	Detected and Quantified	F	Actual				7/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	6.16952 µeq/L	Detected and Quantified	F	Actual				7/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	19.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/6/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	31.59722 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	46.03246 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Na_Ions_AutoStream	19.6092 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	46.66266 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	86.735 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	93.00531 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	17.84241 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	47.952 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/21/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	143.90804 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	117.05774 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.81342	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 6/27/2006 6:00 PM
Visit Comment: // //

Activity: 060627180001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.42	Detected and Quantified	F	Actual				7/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_AutoStream	3.66978 µeq/L	Detected and Quantified	F	Actual			7/11/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	22.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	7/6/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_AutoStream	33.53306 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	54.77133 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	19.30658 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	51.75775 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	78.468 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	0.99916 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	101.87267 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	18.56594 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	82.447 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
O_AL_TC_AutoStream	45.945 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	160.36788 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	124.14889 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.77415	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 6/28/2006 12:00 AM
Visit Comment: // //

Activity: 060628000001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.52	Detected and Quantified	F	Actual				7/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	1.9024 µeq/L	Detected and Quantified	F	Actual				7/18/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	23.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/6/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	39.42366 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	63.24323 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	20.33375 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	51.0357 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	81.24 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	7.26663 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	114.05624 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	21.09427 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

T_AL_TC_AutoStream	33.99 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/21/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	174.04284 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	144.31954 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.82922	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 6/28/2006 10:00 AM
Visit Comment: // //

Activity: 060628100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.62	Detected and Quantified	F	Actual				7/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	1.72279 µeq/L	Detected and Quantified	F	Actual				7/18/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	22 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/6/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	34.99895 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	57.20167 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	20.72971 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	49.1771 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	86.22 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	8.02877 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	113.33781 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	21.41453 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	25.835 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/21/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	162.11393 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	144.5039 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.89137	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 6/28/2006 4:00 PM
Visit Comment: // //

Activity: 060628160001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.62	Detected and Quantified	F	Actual				7/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	3.66978 µeq/L	Detected and Quantified	F	Actual				7/18/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	21.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/6/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	33.71707 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_AutoStream *Dilution:* N	55.00177 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.218 ueq/L	0.694 ueq/L	7/17/2007
Na_Ions_AutoStream *Dilution:* N	20.73737 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.029 ueq/L	0.091 ueq/L	7/17/2007
K_Ions_AutoStream *Dilution:* N	49.25676 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.029 ueq/L	0.092 ueq/L	7/17/2007
SiO2_TC_AutoStream *Dilution:* N	88.295 µmol/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
NH4_Ions_AutoStream *Dilution:* N	*Non-detect *Recovery:* N	*Non-detect *Correction:* N	F	Actual	0.013 ueq/L	0.04 ueq/L	7/17/2007
NO3_Ions_AutoStream *Dilution:* N	8.70757 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.081 ueq/L	0.258 ueq/L	7/17/2007
SO4_Ions_AutoStream *Dilution:* N	110.95156 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.31 ueq/L	0.986 ueq/L	7/17/2007
Cl_Ions_AutoStream *Dilution:* N	21.00549 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.076 ueq/L	0.242 ueq/L	7/17/2007
T_AL_TC_AutoStream *Dilution:* N	22.634 µg/l *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	1.524 ug/l	4.845 ug/l	6/21/2007
SBC_IC2_AUTO *Dilution:* N	158.71947 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/6/2008
SAA_2PT_IC2_AUTO *Dilution:* N	144.3344 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/18/2008
IONRATIO_2PT_IC2_AUTO *Dilution:* N	0.90937 *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/18/2008

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 6/29/2006 12:00 AM
Visit Comment: // //

Activity: 060629000001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.64	Detected and Quantified	F	Actual				7/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	3.66978 µeq/L	Detected and Quantified	F	Actual				7/18/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	21.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/6/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	32.51087 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	53.55454 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	20.94357 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	48.95589 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	88.959 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	6.7254 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	112.04434 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	21.53669 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_AutoStream	20.204 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		6/21/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_AUTO	155.97137 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_2PT_IC2_AUTO	143.97621 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_AUTO	0.92309	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PAIN **Visit Date:** 7/4/2006 8:40 AM

Visit Comment: CHRIS MOORE // // Clear, warm Hot, scattered T-storms

Activity: 060704084001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.93	Detected and Quantified	F	Actual				7/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	8.66927 µeq/L	Detected and Quantified	F	Actual				7/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/6/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	29.54188 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	49.75392 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	22.20372 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	48.92064 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	92.147 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_Grab	109.14615 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	21.31077 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	150.42666 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	139.16669 µeq/L	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.92515	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06070408400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18 °C	Detected and Quantified	F	Actual				7/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PAIN **Visit Date:** 7/10/2006 10:10 AM

Visit Comment: CHRIS MOORE, FRANK DEVINEY // // Cool, clear Hot, scattered T-storms

Activity: 060710101001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.14	Detected and Quantified	F	Actual				7/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	8.61293 µeq/L	Detected and Quantified	F	Actual				7/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/14/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	27.73834 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	47.42877 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	22.78828 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	48.57667 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	86.453 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	108.65509 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	21.47481 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	146.53856 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	138.78333 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.94708	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06071010100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18 °C	Detected and Quantified	F	Actual				7/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

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Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 7/18/2006 7:40 AM
Visit Comment: CHRIS MOORE // // Hot, humid Hot, scattered T-storms

Activity: 060718074001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.13	Detected and Quantified	F	Actual				7/19/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	13.61235 µeq/L	Detected and Quantified	F	Actual				8/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/19/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	27.18052 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	48.43358 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	23.97192 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	51.6985 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	85.075 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	96.1738 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	22.40116 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	151.29102 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	132.22781 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.874	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06071807400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	19.5 °C	Detected and Quantified	F	Actual				7/18/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 7/26/2006 7:20 AM
Visit Comment: CHRIS MOORE // // Warm, scattered T-storms Warm, scattered T-storms

Activity: 060726072001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.83	Detected and Quantified	F	Actual				8/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	14.35278 µeq/L	Detected and Quantified	F	Actual				8/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/9/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	29.11256 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	50.85397 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	23.59711 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	51.47831 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	83.83 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	104.51138 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	22.10118 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	7.182 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	155.04845 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	141.00584 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.90943	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06072607200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	19 °C	Detected and Quantified	F	Actual				7/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0607260720S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	0.67638 mg/l	Detected and Quantified	F	Actual	0.172339614 mg/l	0.548039971 mg/l		10/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Non-filterable Residue	1.04058 mg/l	Detected and Quantified	F	Actual	0.179602815 mg/l	0.571136951 mg/l		10/5/2006
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 0607260720S1 **Activity Type:** Quality Control Sample-Field Replicate **Activity Depth:** **Relative Depth:** **Replicate #:** 1
Custody ID: **Person(s):** **QC Sample?:** Yes

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Present <QL	*Present <QL	F	Actual	0.172339614 mg/l	0.548039971 mg/l		10/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.40547.												
Non-filterable Residue	*Present <QL	*Present <QL	F	Actual	0.179602815 mg/l	0.571136951 mg/l		10/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.35479.												

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 8/1/2006 7:25 AM
Visit Comment: CHRIS MOORE // // Hot, heat advisory Hot, scattered T-storms

Activity: 060801072501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.96	Detected and Quantified	F	Actual				8/16/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	16.06065 µeq/L	Detected and Quantified	F	Actual				8/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/16/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	29.87124 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	52.50208 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Na_Ions_Grab	24.22698 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	53.47454 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	92.495 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	92.81108 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	22.69043 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	160.08134 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	131.60266 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.8221	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 060801072501 **Activity Type:** Quality Control Sample-Field Replicate **Activity Depth:** **Relative Depth:** **Replicate #:** 1

Custody ID: **Person(s):** **QC Sample?:** Yes

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.98	Detected and Quantified	F	Actual				8/16/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	17.93689 µeq/L	Detected and Quantified	F	Actual				8/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/16/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	30.33264 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_Grab	52.88859 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	24.40393 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	53.57381 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	91.317 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	90.59 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	22.82599 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	161.20547 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	131.39338 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.81507	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06080107250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	21 °C	Detected and Quantified	F	Actual				8/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PAIN **Visit Date:** 8/8/2006 8:20 AM

Visit Comment: CHRIS MOORE // Camper beside trail at site. // Warm, humid, scattered T-storms Hot, scattered T-storms

Activity: 060808082001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.95	Detected and Quantified	F	Actual				8/16/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	13.56097 µeq/L	Detected and Quantified	F	Actual				8/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/16/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	28.61882 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/23/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	49.92549 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/23/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	23.90659 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/23/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	53.78124 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/23/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	98.04 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/23/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/23/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	90.21673 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/23/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	22.7694 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/23/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	156.23864 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	126.5876 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.81022	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06080808200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	21.5 °C	Detected and Quantified	F	Actual				8/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 8/15/2006 8:30 AM
Visit Comment: CHRIS MOORE // // Warm, nice, cloudy to partly cloudy Warm, scattered T-storms

Activity: 060815083001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.01	Detected and Quantified	F	Actual				8/16/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	21.11149 µeq/L	Detected and Quantified	F	Actual				8/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	22.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/16/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	28.30472 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/23/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	49.95132 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/23/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	37.02596 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/23/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	57.49131 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/23/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	105.095 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	2.18078 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	2.03652 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	102.3495 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	33.17703 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	174.95409 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	158.67454 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.90695	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06081508300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	20.5 °C	Detected and Quantified	F	Actual				8/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 8/22/2006 12:00 PM
Visit Comment: SUSIE MABEN // // Sunny, hot Hot & dry

Activity: 060822120001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.36	Detected and Quantified	F	Actual				8/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	16.85256 µeq/L	Detected and Quantified	F	Actual			10/4/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	20.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	8/23/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	27.7108 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	48.64579 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	25.03999 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	53.63979 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	107.95 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	0.1641 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	86.36037 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	23.11924 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	155.20047 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	126.37267 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.81425	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06082212000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	20 °C	Detected and Quantified	F	Actual				8/22/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 8/29/2006 12:30 PM
Visit Comment: SUSIE MABEN // // Hot, breezy Hot, a few isolated thunderstorms

Activity: 060829123001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.34	Detected and Quantified	F	Actual				8/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	22.81461 µeq/L	Detected and Quantified	F	Actual				10/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/30/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	29.16943 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	49.94143 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	25.32704 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	56.95919 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	109.66 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_Grab	88.75474 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	24.53209 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	161.40359 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	136.14194 µeq/L	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.84349	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06082912300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	23 °C	Detected and Quantified	F	Actual				8/29/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PAIN **Visit Date:** 9/1/2006 8:00 PM

Visit Comment: // //

Activity: 060901200001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.39	Detected and Quantified	F	Actual				9/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	14.51885 µeq/L	Detected and Quantified	F	Actual				10/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	21.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/13/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_AutoStream *Dilution:* N	28.31967 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.468 ueq/L	1.488 ueq/L	7/24/2007
Mg_Ions_AutoStream *Dilution:* N	43.65399 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.218 ueq/L	0.694 ueq/L	7/24/2007
Na_Ions_AutoStream *Dilution:* N	21.06753 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.029 ueq/L	0.091 ueq/L	7/24/2007
K_Ions_AutoStream *Dilution:* N	59.71946 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.029 ueq/L	0.092 ueq/L	7/24/2007
SiO2_TC_AutoStream *Dilution:* N	89.507 µmol/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
NH4_Ions_AutoStream *Dilution:* N	7.88907 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.013 ueq/L	0.04 ueq/L	7/24/2007
NO3_Ions_AutoStream *Dilution:* N	*Non-detect *Recovery:* N	*Non-detect *Correction:* N	F	Actual	0.081 ueq/L	0.258 ueq/L	7/24/2007
SO4_Ions_AutoStream *Dilution:* N	92.06503 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.31 ueq/L	0.986 ueq/L	7/24/2007
Cl_Ions_AutoStream *Dilution:* N	21.60905 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.076 ueq/L	0.242 ueq/L	7/24/2007
T_AL_TC_AutoStream *Dilution:* N	40.085 µg/l *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	1.524 ug/l	4.845 ug/l	6/28/2007
SBC_IC2_AUTO *Dilution:* N	160.64972 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/6/2008
SAA_2PT_IC2_AUTO *Dilution:* N	128.23343 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/18/2008
IONRATIO_2PT_IC2_AUTO *Dilution:* N	0.79822 *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/18/2008

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 9/1/2006 10:00 PM
Visit Comment: // //

Activity: 060901220001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.45	Detected and Quantified	F	Actual				9/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	8.66927 µeq/L	Detected and Quantified	F	Actual				10/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/13/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	30.79857 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	49.92334 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	20.68687 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	51.82297 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	84.892 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	0.17839 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	96.83539 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	21.37405 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_AutoStream	40.504 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_AUTO	153.41014 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_2PT_IC2_AUTO	126.91921 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_AUTO	0.82732	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 9/2/2006 4:00 AM
Visit Comment: // //

Activity: 060902040001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.46	Detected and Quantified	F	Actual				9/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	3.66978 µeq/L	Detected and Quantified	F	Actual				10/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	23.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/13/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	37.04342 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	61.04859 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	22.09697 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	54.99508 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	85.922 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	0.15965 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_AutoStream	31.97258 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	103.13232 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	21.60055 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	29.169 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	175.34371 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	160.37523 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.91463	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 9/2/2006 8:00 AM
Visit Comment: // //

Activity: 060902080001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.36	Detected and Quantified	F	Actual				9/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	4.35367 µeq/L	Detected and Quantified	F	Actual				10/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	24 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/13/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	36.85791 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	61.11968 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Na_Ions_AutoStream	22.32287 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	54.03028 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	87.133 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	20.08038 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	106.2425 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	22.63354 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	26.138 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	174.33724 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	153.31009 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.87939	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 9/2/2006 4:00 PM
Visit Comment: // //

Activity: 060902160001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.54	Detected and Quantified	F	Actual				9/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_AutoStream *Dilution:* N	2.81649 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			10/14/2006
Cond_VWR_Manual_AutoStream *Dilution:* N	23 µS/cm *Recovery:* N	Detected and Quantified *Correction:* Y	F	Actual	0.162 uS/cm	0.515 uS/cm	9/13/2006
Ca_Ions_AutoStream *Dilution:* N	35.59063 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.468 ueq/L	1.488 ueq/L	7/24/2007
Mg_Ions_AutoStream *Dilution:* N	59.18237 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.218 ueq/L	0.694 ueq/L	7/24/2007
Na_Ions_AutoStream *Dilution:* N	22.42297 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.029 ueq/L	0.091 ueq/L	7/24/2007
K_Ions_AutoStream *Dilution:* N	53.52698 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.029 ueq/L	0.092 ueq/L	7/24/2007
SiO2_TC_AutoStream *Dilution:* N	92.213 µmol/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
NH4_Ions_AutoStream *Dilution:* N	*Non-detect *Recovery:* N	*Non-detect *Correction:* N	F	Actual	0.013 ueq/L	0.04 ueq/L	7/24/2007
NO3_Ions_AutoStream *Dilution:* N	17.31162 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.081 ueq/L	0.258 ueq/L	7/24/2007
SO4_Ions_AutoStream *Dilution:* N	110.47275 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.31 ueq/L	0.986 ueq/L	7/24/2007
Cl_Ions_AutoStream *Dilution:* N	22.84164 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.076 ueq/L	0.242 ueq/L	7/24/2007
T_AL_TC_AutoStream *Dilution:* N	21.146 µg/l *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	1.524 ug/l	4.845 ug/l	6/28/2007
SBC_IC2_AUTO *Dilution:* N	170.72945 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/6/2008
SAA_2PT_IC2_AUTO *Dilution:* N	153.4425 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/18/2008
IONRATIO_2PT_IC2_AUTO *Dilution:* N	0.89875 *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/18/2008

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 9/2/2006 6:00 PM
Visit Comment: // //

Activity: 060902180001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	5.43	Detected and Quantified	F	Actual				9/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	2.81649 µeq/L	Detected and Quantified	F	Actual				10/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	23.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/14/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	35.15352 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	58.64511 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	22.50267 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	53.64699 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	93.143 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	0.16175 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	20.69947 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	111.03132 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	23.26486 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_AutoStream	19.34 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_AUTO	170.11004 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_2PT_IC2_AUTO	157.81214 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_AUTO	0.92771	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PAIN **Visit Date:** 9/6/2006 12:15 PM

Visit Comment: SUSIE MABEN // // Partly sunny, warm Rain, cool, Hurricane Ernesto remnants

Activity: 060906121501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.64	Detected and Quantified	F	Actual				9/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	11.853 µeq/L	Detected and Quantified	F	Actual				10/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/14/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	29.63208 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	50.54549 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	22.63681 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	51.04557 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	103.152 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_Grab	112.29731 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	21.75509 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	153.86645 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	145.9459 µeq/L	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.94852	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06090612150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	17 °C	Detected and Quantified	F	Actual				9/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PAIN **Visit Date:** 9/12/2006 2:40 PM

Visit Comment: SUSIE MABEN // // Cool, partly cloudy Cool, fair

Activity: 060912144001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.03	Detected and Quantified	F	Actual				9/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	6.11322 µeq/L	Detected and Quantified	F	Actual				10/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/14/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	28.05844 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	48.43346 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	23.13309 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	50.12473 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	101.891 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	112.81707 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	21.79674 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	149.75622 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	140.76753 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.93998	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06091214400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	16.5 °C	Detected and Quantified	F	Actual				9/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 9/19/2006 1:35 PM
Visit Comment: SUSIE MABEN // // Partly cloudy, mild Mild; some rainy, cloudy days

Activity: 060919133501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.99	Detected and Quantified	F	Actual				9/22/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	6.16952 µeq/L	Detected and Quantified	F	Actual				10/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/22/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	26.87678 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	47.12848 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	23.35764 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	51.61114 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	101.177 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	111.97378 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	21.83026 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	148.98054 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	140.01406 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.93981	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06091913350F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18 °C	Detected and Quantified	F	Actual				9/19/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 9/26/2006 1:10 PM
Visit Comment: SUSIE MABEN // // Warm, sunny Fair, a few light showers

Activity: 060926131001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.09	Detected and Quantified	F	Actual				10/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	8.66927 µeq/L	Detected and Quantified	F	Actual				10/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	28.31654 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	49.69529 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	23.39889 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	49.37512 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	98.089 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	112.87075 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	21.53028 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	150.79234 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	143.1108 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.94906	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06092613100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	15 °C	Detected and Quantified	F	Actual				9/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 10/3/2006 2:45 PM
Visit Comment: SUSIE MABEN //
//Warm, mostly sunny
Fair, some showers

Activity: 061003144501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.0577	Detected and Quantified	F	Actual				10/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.14	Detected and Quantified	F	Actual				10/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	12.30626 µeq/L	Detected and Quantified	F	Actual				10/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	8.66927 µeq/L	Detected and Quantified	F	Actual				10/18/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/5/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	28.22881 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	49.57983 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	23.32747 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	50.57658 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	96.496 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	112.67715 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	21.13789 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	151.71919 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	142.52481 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.9394	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	146.1618 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.96337	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06100314450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	16 °C	Detected and Quantified	F	Actual				10/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 10/6/2006 6:00 PM

Activity: 061006180001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	5.6336	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_AutoStream	5.68	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Metrohm_AutoStream	12.75047 µeq/L	Detected and Quantified	F	Actual			10/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
ANC_Manual_AutoStream	1.1138 µeq/L	Detected and Quantified	F	Actual			10/19/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	20.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	10/12/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_AutoStream	31.35766 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	49.73744 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	21.50904 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	50.4256 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	97.193 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	5.10969 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	4.50339 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	101.43876 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	21.4982 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	10.757 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	158.13943 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	128.55415 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

IONRATIO_2PT_IC2_AUTO	0.81292	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_MET_IC2_AUTO	140.19082 µeq/L	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_MET_IC2_AUTO	0.8865	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PAIN **Visit Date:** 10/6/2006 8:00 PM

Activity: 061006200001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	5.7497	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_AutoStream	5.82	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	10.41731 µeq/L	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	6.06196 µeq/L	Detected and Quantified	F	Actual				10/19/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	30.00066 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	50.69549 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	21.23158 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_AutoStream	49.07946 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	96.446 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	0.18183 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	3.88501 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	106.25953 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	20.35795 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	27.662 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	151.18902 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	136.56445 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.90327	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	140.9198 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.93208	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 10/6/2006 10:00 PM

Activity: 061006220001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	5.7005	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_AutoStream	5.79	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	9.28421 µeq/L	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	5.31626 µeq/L	Detected and Quantified	F	Actual				10/19/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	30.82664 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	52.37787 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	21.39551 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	50.15462 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	95.101 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	0.17981 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	7.34788 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	107.09931 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Cl_Ions_AutoStream	20.47599 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	7.639 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	154.93445 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	140.23944 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.90515	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	144.20739 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.93076	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PAIN **Visit Date:** 10/7/2006 6:00 AM

Activity: 061007060001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	5.5187	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_AutoStream	5.56	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	7.41215 µeq/L	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	-0.64589 µeq/L	Detected and Quantified	F	Actual				10/19/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_AutoStream	21.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	10/12/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_AutoStream	33.48358 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	56.04204 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	20.6431 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	48.83694 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	87.183 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	3.46117 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	103.14448 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	20.6199 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	39.093 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	159.01216 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	126.57966 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.79604	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	134.6377 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

IONRATIO_MET_IC2_AUTO	0.84671	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 10/7/2006 4:00 AM

Activity: 061007040001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	5.6029	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_AutoStream	5.66	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	7.446 µeq/L	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	4.35367 µeq/L	Detected and Quantified	F	Actual				10/19/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	21.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	33.38826 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	55.75643 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	21.11077 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	49.65624 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	88.445 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	0.14815 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_AutoStream	9.97026 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	103.47427 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	21.03774 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	27.872 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	160.05985 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	138.83594 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.8674	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	141.92827 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.88672	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PAIN **Visit Date:** 10/7/2006 2:00 AM

Activity: 061007020001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	5.6453	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_AutoStream	5.71	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	8.14663 µeq/L	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_AutoStream	4.35367 µeq/L	Detected and Quantified	F	Actual			10/19/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	21.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	10/12/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_AutoStream	33.16736 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	56.37076 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	21.85565 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	50.94805 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	91.914 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	0.1604 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	12.91512 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	106.19948 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	20.93232 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	24.333 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	162.50222 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	144.40059 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.88861	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	148.19355 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

IONRATIO_MET_IC2_AUTO	0.91195	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 10/7/2006 12:00 PM

Activity: 061007120001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	5.4018	Detected and Quantified	F	Actual				10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_AutoStream	5.45	Detected and Quantified	F	Actual				10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	4.42668 µeq/L	Detected and Quantified	F	Actual				10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	-1.38591 µeq/L	Detected and Quantified	F	Actual				10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	23 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	37.30411 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	60.77541 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	19.80072 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	50.14821 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	84.378 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	2.3756 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_AutoStream	5.21015 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	109.74114 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	20.8597 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	20.997 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	170.40405 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	134.42508 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.78886	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	140.23767 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.82297	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PAIN **Visit Date:** 10/7/2006 8:00 AM

Activity: 061007080001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	5.4785	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_AutoStream	5.51	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	6.79643 µeq/L	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_AutoStream	2.87526 µeq/L	Detected and Quantified	F	Actual			10/20/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	22 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	10/12/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_AutoStream	35.23456 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	59.04343 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	20.47433 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	49.72289 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	85.938 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	0.21737 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	13.16702 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	107.84351 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	21.16254 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	17.155 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	164.69258 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	145.04833 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.88072	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	148.9695 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

IONRATIO_MET_IC2_AUTO	0.90453	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 10/7/2006 10:00 AM

Activity: 061007100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	5.4493	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_AutoStream	5.48	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	6.22059 µeq/L	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	-1.38591 µeq/L	Detected and Quantified	F	Actual				10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	22.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	37.70965 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	60.08326 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	19.93601 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	49.26283 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	84.826 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	0.23987 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_AutoStream	13.38781 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	108.38911 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	20.60024 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	40.702 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	167.23162 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	140.99125 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.84309	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	148.59775 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.88857	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PAIN **Visit Date:** 10/7/2006 10:00 PM

Activity: 061007220001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	5.3811	Detected and Quantified	F	Actual				10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_AutoStream	5.46	Detected and Quantified	F	Actual				10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	2.55629 µeq/L	Detected and Quantified	F	Actual				10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_AutoStream	-2.1242 µeq/L	Detected and Quantified	F	Actual			10/20/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	22.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	10/13/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_AutoStream	35.87495 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	59.41896 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	19.94648 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	48.58871 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	86.154 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	2.28995 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	15.77029 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	115.26894 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	21.46343 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	33.016 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	166.11905 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	150.37846 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.90525	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	155.05895 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

IONRATIO_MET_IC2_AUTO	0.93342	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 10/7/2006 12:00 AM

Activity: 061007000001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	5.7072	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_AutoStream	5.76	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	8.83624 µeq/L	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	5.79171 µeq/L	Detected and Quantified	F	Actual				10/19/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	21.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	33.72224 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	55.85147 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	21.94053 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	50.93768 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	94.769 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	0.17766 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_AutoStream	11.73483 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	107.63932 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	21.48921 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	5.179 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	162.62958 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	146.65507 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.90177	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	149.6996 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.92049	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PAIN **Visit Date:** 10/8/2006 4:00 PM

Activity: 061008160001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	5.5307	Detected and Quantified	F	Actual				10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_AutoStream	5.58	Detected and Quantified	F	Actual				10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	3.86793 µeq/L	Detected and Quantified	F	Actual				10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_AutoStream	-1.38591 µeq/L	Detected and Quantified	F	Actual			10/25/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	21.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	10/13/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_AutoStream	32.89036 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	55.14857 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	20.9933 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	47.88073 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	93.707 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	0.33349 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	5.9589 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	117.68294 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	22.4026 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	26.629 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	157.24645 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	144.65853 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.91995	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	149.91237 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

IONRATIO_MET_IC2_AUTO	0.95336	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 10/8/2006 2:00 PM

Activity: 061008140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	5.4979	Detected and Quantified	F	Actual				10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_AutoStream	5.52	Detected and Quantified	F	Actual				10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	3.74832 µeq/L	Detected and Quantified	F	Actual				10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	-5.77628 µeq/L	Detected and Quantified	F	Actual				10/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	22 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	31.82308 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	53.43264 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	20.08987 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	46.05839 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	91.317 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_AutoStream	6.83111 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	115.38563 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	22.01451 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	27.209 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	151.41048 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	138.45497 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.91443	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	147.97957 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.97734	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PAIN **Visit Date:** 10/8/2006 6:00 AM

Activity: 061008060001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	5.5026	Detected and Quantified	F	Actual				10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_AutoStream	5.53	Detected and Quantified	F	Actual				10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	3.41936 µeq/L	Detected and Quantified	F	Actual				10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_AutoStream	-2.1242 µeq/L	Detected and Quantified	F	Actual			10/20/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	22.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	10/13/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_AutoStream	33.44013 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	55.93664 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	20.3326 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	47.35135 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	89.557 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	0.16561 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	11.36004 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	114.77512 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	22.02826 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	30.975 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	157.22633 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	146.03922 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.92885	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	151.58278 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

IONRATIO_MET_IC2_AUTO	0.96411	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 10/10/2006 2:30 PM
Visit Comment: SUSIE MABEN //
//Sunny, warm
Rain event, mild

Activity: 061010143001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	5.5338	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	5.65	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	5.74613 µeq/L	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-3.82946 µeq/L	Detected and Quantified	F	Actual				10/19/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	31.0398 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	52.18512 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	20.83234 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	45.85156 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	94.62 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	1.30877 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	113.06263 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	21.5439 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	21.494 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	149.91532 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	132.08584 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.88107	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	141.66143 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.94494	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06101014300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	14.8 °C	Detected and Quantified	F	Actual				10/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 10/17/2006 1:30 PM
Visit Comment: SUSIE MABEN //
//Rain, mild
Fair, frost

Activity: 061017133001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	5.764	Detected and Quantified	F	Actual				10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	5.84	Detected and Quantified	F	Actual				10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	9.13189 µeq/L	Detected and Quantified	F	Actual				10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	5.31626 µeq/L	Detected and Quantified	F	Actual				10/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	29.36508 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	50.27135 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	20.86355 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	45.72214 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	91.931 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	110.78488 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	21.79357 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	146.22862 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	137.93521 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.94328	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	141.75084 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.96938	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06101713300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12.3 °C	Detected and Quantified	F	Actual				10/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 10/24/2006 1:50 PM
Visit Comment: SUSIE MABEN //
//Cold, windy, partly sunny
Cool, mostly fair

Activity: 061024135001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	5.7769	Detected and Quantified	F	Actual				10/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

pH_Manual_Grab	5.91	Detected and Quantified	F	Actual			10/26/2006
Dilution: N	*Recovery:* N	*Correction:* N					
ANC_Metrohm_Grab	7.45952 µeq/L	Detected and Quantified	F	Actual			10/26/2006
Dilution: N	*Recovery:* N	*Correction:* N					
ANC_Manual_Grab	6.11322 µeq/L	Detected and Quantified	F	Actual			10/26/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	20.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	10/26/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	29.35231 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	50.44501 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	21.54463 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	45.35762 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	97.11 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	113.75893 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	21.89309 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	146.70607 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	141.80574 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.9666	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

SAA_MET_IC2_GRAB	143.15204 µeq/L	Detected and Quantified	F	Actual				4/23/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_MET_IC2_GRAB	0.97577	Detected and Quantified	F	Actual				4/23/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06102413500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9 °C	Detected and Quantified	F	Actual				10/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 10/30/2006 11:35 AM
Visit Comment: SUSIE MABEN // //Mostly sunny, mild Fair, some precip.

Activity: 061030113501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	5.7998	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	5.82	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	7.7972 µeq/L	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	6.16952 µeq/L	Detected and Quantified	F	Actual				11/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	28.45215 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_Grab	49.57144 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	21.44313 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	45.4375 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	97.027 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	0.21171 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	114.67396 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	22.39798 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	12.325 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	145.11593 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	143.28196 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.98736	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	144.90964 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.99858	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06103011350F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10.6 °C	Detected and Quantified	F	Actual				10/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0610301135S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	0.55 mg/l	Detected and Quantified	F	Actual	0.172339614 mg/l	0.548039971 mg/l		3/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Non-filterable Residue	*Present <QL	*Present <QL	F	Actual	0.179602815 mg/l	0.571136951 mg/l		3/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.2.												

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/7/2006 10:50 AM
Visit Comment: FAD //
//drizzly, cold seasonal

Activity: 061107105001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	5.5248	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	7.09947 µeq/L	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	28.92822 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	49.84264 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	22.20085 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	44.14938 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	95.815 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	112.51026 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	22.49107 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	12.979 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	145.12759 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	142.1413 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.97942	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06110710500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9 °C	Detected and Quantified	F	Actual				11/7/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/8/2006 2:00 AM

Activity: 061108020001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	5.4968	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	10.45638 µeq/L	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	30.84923 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/3/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	48.27092 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/3/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	19.80601 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/3/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	45.46969 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/3/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	85.839 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/3/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		8/3/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	100.04442 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/3/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	22.64699 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/3/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_AutoStream	33.672 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_AUTO	144.40235 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_MET_IC2_AUTO	133.18829 µeq/L	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_MET_IC2_AUTO	0.92234	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/8/2006 4:00 PM

Activity: 061108160001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	5.3896	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	5.94161 µeq/L	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	22.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	31.60127 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	54.82197 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	20.26927 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	49.89671 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	86.486 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	0.25287 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_AutoStream	4.80469 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	114.24566 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	22.67128 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	31.371 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	156.84209 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	147.66324 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.94148	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/8/2006 10:00 PM

Activity: 061108220001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	5.3956	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	5.59319 µeq/L	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	22.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	30.62005 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	53.29862 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Na_Ions_AutoStream	20.39286 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	48.82425 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	87.598 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	4.37404 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	114.15193 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	22.40445 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	29.044 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	153.14228 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	146.52361 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.95678	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/8/2006 10:00 AM

Activity: 061108100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	5.2626	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Metrohm_AutoStream	7.39749 µeq/L	Detected and Quantified	F	Actual			11/20/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	23.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	11/20/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_AutoStream	32.36728 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	55.92508 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	20.23915 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	51.41472 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	84.062 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	0.26178 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	1.92838 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	112.51044 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	23.37351 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	35.557 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	160.20801 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	145.20982 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.90638	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

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Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/8/2006 12:00 PM

Activity: 061108120001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	5.3443	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	6.80452 µeq/L	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	23.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	32.35659 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	55.9803 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	20.21492 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	50.93737 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	84.245 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	5.4313 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	113.36271 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	22.85557 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_AutoStream	33.779 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_AUTO	159.49568 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_MET_IC2_AUTO	148.4541 µeq/L	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_MET_IC2_AUTO	0.93077	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/8/2006 8:00 AM

Activity: 061108080001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	5.3372	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	9.52481 µeq/L	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	23 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	32.19996 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	55.23093 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	20.03733 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	51.991 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	82.768 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	0.49263 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	111.45524 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	23.38172 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	40.604 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	159.95185 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	144.40227 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.90279	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/8/2006 6:00 AM

Activity: 061108060001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	5.2835	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	9.71561 µeq/L	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	22 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	32.23935 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/3/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	54.484 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/3/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Na_Ions_AutoStream	19.68049 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/3/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	50.69574 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/3/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	81.456 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/3/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/3/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	107.68317 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/3/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	22.93353 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/3/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	41.693 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	157.10608 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	140.37281 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.89349	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/8/2006 4:00 AM

Activity: 061108040001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	5.3254	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Metrohm_AutoStream	8.14991 µeq/L	Detected and Quantified	F	Actual			11/20/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	21.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	11/20/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_AutoStream	31.10678 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	8/3/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	52.06455 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/3/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	19.65254 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/3/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	49.89072 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/3/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	82.137 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	0.16949 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	8/3/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/3/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	105.55095 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/3/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	23.3089 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/3/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	43.368 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	152.88408 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	137.05026 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.89643	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

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Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/9/2006 10:00 AM

Activity: 061109100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	5.476	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	6.36585 µeq/L	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	21.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	30.48525 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	51.55893 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	20.62028 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	47.18616 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	90.171 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	113.58055 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	22.37479 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_AutoStream	25.363 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_AUTO	149.85712 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_MET_IC2_AUTO	142.36169 µeq/L	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_MET_IC2_AUTO	0.94998	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/9/2006 4:00 PM

Activity: 061109160001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	5.4877	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	6.64043 µeq/L	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	21.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	29.3306 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	50.90525 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	20.68125 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	47.16456 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	89.972 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_AutoStream	112.96917 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_AutoStream	22.44229 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N						
T_AL_TC_AutoStream	25.122 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_AUTO	148.08816 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_MET_IC2_AUTO	142.09239 µeq/L	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_MET_IC2_AUTO	0.95951	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/9/2006 6:00 PM

Activity: 061109180001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	5.4466	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	7.08696 µeq/L	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	21.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	29.71276 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	51.0805 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Na_Ions_AutoStream *Dilution:* N	20.70996 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.029 ueq/L	0.091 ueq/L	8/6/2007
K_Ions_AutoStream *Dilution:* N	47.11413 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.029 ueq/L	0.092 ueq/L	8/6/2007
SiO2_TC_AutoStream *Dilution:* N	91.466 µmol/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
NH4_Ions_AutoStream *Dilution:* N	*Non-detect *Recovery:* N	*Non-detect *Correction:* N	F	Actual	0.013 ueq/L	0.04 ueq/L	8/6/2007
NO3_Ions_AutoStream *Dilution:* N	1.31028 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.081 ueq/L	0.258 ueq/L	8/6/2007
SO4_Ions_AutoStream *Dilution:* N	112.83812 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.31 ueq/L	0.986 ueq/L	8/6/2007
Cl_Ions_AutoStream *Dilution:* N	22.55543 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.076 ueq/L	0.242 ueq/L	8/6/2007
T_AL_TC_AutoStream *Dilution:* N	23.539 µg/l *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	1.524 ug/l	4.845 ug/l	7/10/2007
SBC_IC2_AUTO *Dilution:* N	148.62385 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/6/2008
SAA_MET_IC2_AUTO *Dilution:* N	143.79079 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			4/23/2008
IONRATIO_MET_IC2_AUTO *Dilution:* N	0.96748 *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			4/23/2008

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/14/2006 10:40 AM
Visit Comment: FAD // //clear,
warm
rained several times

Activity: 061114104001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	5.2432	Detected and Quantified	F	Actual				11/21/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	4.02502 µeq/L	Detected and Quantified	F	Actual				11/21/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	21.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/21/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	27.7955 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	49.18353 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	21.58055 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	45.17073 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	94.404 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	111.506 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	22.30531 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

T_AL_TC_Grab	21.196 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l			7/10/2007		
Dilution: N	*Recovery:* N	*Correction:* N									
SBC_IC2_GRAB	143.73681 µeq/L	Detected and Quantified	F	Actual					2/6/2008		
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_MET_IC2_GRAB	137.87683 µeq/L	Detected and Quantified	F	Actual					4/23/2008		
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_MET_IC2_GRAB	0.95923	Detected and Quantified	F	Actual					4/23/2008		
Dilution: N	*Recovery:* N	*Correction:* N									

Activity: 06111410400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11.5 °C	Detected and Quantified	F	Actual				11/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/16/2006 4:00 PM

Activity: 061116160001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	5.3651	Detected and Quantified	F	Actual				11/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	4.93404 µeq/L	Detected and Quantified	F	Actual				11/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	22.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/28/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	32.67389 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	56.77181 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Na_Ions_AutoStream	19.84561 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	51.38036 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	81.722 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	0.59906 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	113.16033 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	23.51382 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	43.041 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	161.27073 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	141.64869 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.87833	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/16/2006 2:00 PM

Activity: 061116140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	5.3682	Detected and Quantified	F	Actual				11/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Metrohm_AutoStream	6.33412 µeq/L	Detected and Quantified	F	Actual			11/28/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	21.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	11/28/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_AutoStream	30.63288 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	53.57667 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	19.49555 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	48.50587 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	79.116 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	0.21113 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	1.25389 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	107.25194 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	22.87212 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	61.074 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
O_AL_TC_AutoStream	48.404 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	152.4221 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	137.71207 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

IONRATIO_MET_IC2_AUTO	0.90349	Detected and Quantified	F	Actual				4/23/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/16/2006 12:00 PM

Activity: 061116120001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	5.4119	Detected and Quantified	F	Actual				11/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	6.5044 µeq/L	Detected and Quantified	F	Actual				11/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/28/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	29.36481 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	47.86705 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	19.62612 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	45.29948 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	80.244 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	0.1945 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	1.19806 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	101.49356 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Cl_Ions_AutoStream	21.94117 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N						
T_AL_TC_AutoStream	60.2 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N						
O_AL_TC_AutoStream	45.92 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_AUTO	142.35196 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_MET_IC2_AUTO	131.13719 µeq/L	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_MET_IC2_AUTO	0.92122	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/17/2006 8:00 AM

Activity: 061117080001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	5.4347	Detected and Quantified	F	Actual				11/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	3.4887 µeq/L	Detected and Quantified	F	Actual				11/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	21.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/28/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	31.29047 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	53.973 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	20.20586 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_AutoStream	46.7722 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	87.631 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	0.19255 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	4.33626 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	114.04638 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	22.99768 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	29.255 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	152.43408 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	144.86902 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.95037	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/17/2006 6:00 AM

Activity: 061117060001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	5.4147	Detected and Quantified	F	Actual				11/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	3.77171 µeq/L	Detected and Quantified	F	Actual				11/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_AutoStream	21.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	11/28/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_AutoStream	31.37695 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	54.10589 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	20.17284 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	47.16423 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	86.32 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	0.18751 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	2.60823 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	114.08708 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	22.83976 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	30.813 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	153.00742 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	143.30678 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.9366	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/17/2006 4:00 AM

Activity: 061117040001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	5.466	Detected and Quantified	F	Actual				11/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	3.95018 µeq/L	Detected and Quantified	F	Actual				11/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	22 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/28/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	32.30175 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	54.17202 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	20.12084 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	47.48437 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	86.137 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	0.2124 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	3.14196 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	113.83626 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	22.66412 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_AutoStream	31.851 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_AUTO	154.29138 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_MET_IC2_AUTO	143.59252 µeq/L	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_MET_IC2_AUTO	0.93066	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/17/2006 8:00 PM

Activity: 061117200001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	5.4804	Detected and Quantified	F	Actual				11/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	4.77308 µeq/L	Detected and Quantified	F	Actual				11/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	21.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/28/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	30.03086 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	52.14607 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	20.40898 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	45.69938 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	89.872 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	113.29346 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	22.61484 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	26.998 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	148.29179 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	140.72188 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.94895	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/17/2006 4:00 PM

Activity: 061117160001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	5.4832	Detected and Quantified	F	Actual				11/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	4.65567 µeq/L	Detected and Quantified	F	Actual				11/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	21.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/28/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	30.50578 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	52.66929 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Na_Ions_AutoStream	20.3405 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	46.19054 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	88.179 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	0.18373 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	2.72288 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	113.5771 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	22.72457 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	28.051 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	149.88984 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	143.68022 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.95857	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/18/2006 10:00 AM

Activity: 061118100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	5.5315	Detected and Quantified	F	Actual				11/29/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Metrohm_AutoStream	4.0894 µeq/L	Detected and Quantified	F	Actual			11/29/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	21.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	11/29/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_AutoStream	30.11884 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	52.23429 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	20.58513 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	44.68679 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	90.802 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	0.18499 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	3.72389 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	112.65637 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	22.44159 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	24.947 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	147.81004 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	142.91125 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.96686	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/18/2006 12:00 AM

Activity: 061118000001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	5.518	Detected and Quantified	F	Actual				11/29/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	4.02131 µeq/L	Detected and Quantified	F	Actual				11/29/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	21.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/29/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	31.35711 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	52.80821 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	20.50993 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	45.58907 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	89.491 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	0.39237 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	4.77102 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	113.01995 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	22.61292 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_AutoStream	26.942 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_AUTO	150.65669 µeq/L	Detected and Quantified	F	Actual		2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N				
SAA_MET_IC2_AUTO	144.4252 µeq/L	Detected and Quantified	F	Actual		4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N				
IONRATIO_MET_IC2_AUTO	0.95864	Detected and Quantified	F	Actual		4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N				

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/21/2006 11:10 AM
Visit Comment: FAD // //clear,
cold
heavy rain end of last week

Activity: 061121111001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	5.2645	Detected and Quantified	F	Actual				11/29/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	4.53677 µeq/L	Detected and Quantified	F	Actual				11/29/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	21.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/29/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	28.9814 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	50.97496 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	20.96654 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	42.71609 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	91.366 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N						
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_Grab	111.37672 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	21.5542 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	143.64549 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_MET_IC2_GRAB	137.50819 µeq/L	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_MET_IC2_GRAB	0.95727	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06112111100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8 °C	Detected and Quantified	F	Actual				11/21/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/23/2006 10:00 PM

Activity: 061123220001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	5.5554	Detected and Quantified	F	Actual				11/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	4.15405 µeq/L	Detected and Quantified	F	Actual				11/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_AutoStream	20.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	11/30/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_AutoStream	28.71651 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	51.76663 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	20.96122 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	44.7971 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	89.823 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	1.08125 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	111.59803 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	21.8816 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	25.378 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	146.24796 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	138.71493 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.94849	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/23/2006 8:00 PM

Activity: 061123200001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	5.5563	Detected and Quantified	F	Actual				11/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	4.062 µeq/L	Detected and Quantified	F	Actual				11/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/30/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	27.9562 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	51.17899 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	20.79687 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	44.52283 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	89.823 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	0.21578 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	2.48311 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	111.07 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	21.7116 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_AutoStream	26.028 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_AUTO	144.67067 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_MET_IC2_AUTO	139.32671 µeq/L	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_MET_IC2_AUTO	0.96306	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/23/2006 6:00 PM

Activity: 061123180001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	5.5386	Detected and Quantified	F	Actual				11/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	3.92718 µeq/L	Detected and Quantified	F	Actual				11/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/30/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	27.80363 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	51.05513 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	20.81347 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	44.39258 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	90.022 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	110.85913 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	21.71713 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	25.994 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	144.07131 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	136.54394 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.94775	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/23/2006 4:00 PM

Activity: 061123160001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	5.5526	Detected and Quantified	F	Actual				11/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	3.97939 µeq/L	Detected and Quantified	F	Actual				11/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/30/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	27.93701 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	51.01704 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Na_Ions_AutoStream	20.76251 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	43.97223 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	89.457 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	0.96698 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	110.67715 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	21.69347 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	26.511 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	143.69529 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	137.31699 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.95561	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/23/2006 2:00 PM

Activity: 061123140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	5.5306	Detected and Quantified	F	Actual				11/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Metrohm_AutoStream	3.22339 µeq/L	Detected and Quantified	F	Actual			11/30/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	20.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	11/30/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_AutoStream	28.10665 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	51.03427 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	20.7408 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	43.92135 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	89.275 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	0.21751 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	2.27251 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	110.47229 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	22.98603 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	27.231 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	144.02058 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	138.95422 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.96482	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/23/2006 12:00 PM

Activity: 061123120001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	5.5495	Detected and Quantified	F	Actual				11/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	3.51109 µeq/L	Detected and Quantified	F	Actual				11/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/30/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	28.15667 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	51.05597 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	20.69176 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	43.53937 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	88.893 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	109.96645 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	21.76258 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_AutoStream	27.18 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_AUTO	143.45027 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_MET_IC2_AUTO	135.28062 µeq/L	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_MET_IC2_AUTO	0.94305	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/23/2006 10:00 AM

Activity: 061123100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	5.5444	Detected and Quantified	F	Actual				11/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	4.15728 µeq/L	Detected and Quantified	F	Actual				11/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/30/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	28.27421 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	51.20547 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	20.73177 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	43.40108 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	88.146 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_AutoStream	0.76056 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	110.16233 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	21.58776 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	29.204 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	143.61903 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	136.66793 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.9516	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/23/2006 8:00 AM

Activity: 061123080001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	5.5421	Detected and Quantified	F	Actual				11/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	4.29332 µeq/L	Detected and Quantified	F	Actual				11/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/30/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	28.44827 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	51.38512 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Na_Ions_AutoStream	20.76611 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	43.43082 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	88.146 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	1.21101 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	110.19201 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	21.53322 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	30.82 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	144.03682 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	137.22956 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.95274	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/23/2006 6:00 AM

Activity: 061123060001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	5.5142	Detected and Quantified	F	Actual				11/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Metrohm_AutoStream	4.40044 µeq/L	Detected and Quantified	F	Actual			11/30/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	20.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	11/30/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_AutoStream	29.33691 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	51.32509 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	20.70606 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	43.30549 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	87.598 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	109.40331 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	21.6829 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	32.182 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	144.68005 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	135.52715 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.93674	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/24/2006 12:00 PM

Activity: 061124120001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	5.494	Detected and Quantified	F	Actual				11/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	3.1593 µeq/L	Detected and Quantified	F	Actual				11/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	21.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/30/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	29.23887 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	52.23622 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	21.14658 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	44.92573 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	89.756 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	0.95463 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	112.9886 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	22.47437 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_AutoStream	22.671 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_AUTO	147.5539 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_MET_IC2_AUTO	139.5769 µeq/L	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_MET_IC2_AUTO	0.94594	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/24/2006 2:00 AM

Activity: 061124020001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	5.3212	Detected and Quantified	F	Actual				11/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	-0.18275 µeq/L	Detected and Quantified	F	Actual				11/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	22.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/30/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	29.17451 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	52.35564 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	21.11019 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	45.3068 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	90.321 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	0.21043 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_AutoStream	3.90854 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	112.7241 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	26.51165 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_AutoStream	24.223 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	148.15757 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	142.96154 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.96493	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/24/2006 12:00 AM

Activity: 061124000001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	5.571	Detected and Quantified	F	Actual				11/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	4.14858 µeq/L	Detected and Quantified	F	Actual				11/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	21.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/30/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	29.11986 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	51.96149 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Na_Ions_AutoStream *Dilution:* N	21.00905 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.029 ueq/L	0.091 ueq/L	8/7/2007
K_Ions_AutoStream *Dilution:* N	45.15461 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.029 ueq/L	0.092 ueq/L	8/7/2007
SiO2_TC_AutoStream *Dilution:* N	90.138 µmol/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
NH4_Ions_AutoStream *Dilution:* N	*Non-detect *Recovery:* N	*Non-detect *Correction:* N	F	Actual	0.013 ueq/L	0.04 ueq/L	8/7/2007
NO3_Ions_AutoStream *Dilution:* N	1.53905 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.081 ueq/L	0.258 ueq/L	8/7/2007
SO4_Ions_AutoStream *Dilution:* N	111.73448 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.31 ueq/L	0.986 ueq/L	8/7/2007
Cl_Ions_AutoStream *Dilution:* N	21.7058 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.076 ueq/L	0.242 ueq/L	8/7/2007
T_AL_TC_AutoStream *Dilution:* N	23.238 µg/l *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	1.524 ug/l	4.845 ug/l	7/11/2007
SBC_IC2_AUTO *Dilution:* N	147.25151 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/6/2008
SAA_MET_IC2_AUTO *Dilution:* N	139.12791 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			4/23/2008
IONRATIO_MET_IC2_AUTO *Dilution:* N	0.94483 *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			4/23/2008

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 11/28/2006 11:30 AM
Visit Comment: FAD // //Clear,
mild
significant rain last week

Activity: 061128113001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	5.6455	Detected and Quantified	F	Actual				11/29/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	6.58177 µeq/L	Detected and Quantified	F	Actual				11/29/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/29/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	28.88964 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	50.67694 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	21.39448 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	43.57948 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	89.706 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	112.2619 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Cl_Ions_Grab	21.98154 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	18.233 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	144.54704 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	140.86571 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.97453	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06112811300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9.5 °C	Detected and Quantified	F	Actual				11/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 12/5/2006 2:40 PM
Visit Comment: FAD // //clear,
cold
light rain last Friday

Activity: 061205144001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	5.6787	Detected and Quantified	F	Actual				12/7/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	4.77316 µeq/L	Detected and Quantified	F	Actual				12/7/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		12/7/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	29.36457 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	51.24849 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	21.55316 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	41.83342 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	86.934 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	111.57981 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	21.68191 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	144.00614 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	138.07538 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.95882	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06120514400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6.5 °C	Detected and Quantified	F	Actual				12/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 12/12/2006 11:05 AM
Visit Comment: FAD //clear, mild dry

Activity: 061212110501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	5.7975	Detected and Quantified	F	Actual				12/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	4.62436 µeq/L	Detected and Quantified	F	Actual				12/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		12/14/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	29.82191 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	52.49315 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	21.58117 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	40.05185 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	82.784 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	112.1012 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	21.32714 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

T_AL_TC_Grab	12.868 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l			7/17/2007			
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	143.95458 µeq/L	Detected and Quantified	F	Actual					2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_MET_IC2_GRAB	138.0932 µeq/L	Detected and Quantified	F	Actual					4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_MET_IC2_GRAB	0.95928	Detected and Quantified	F	Actual					4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06121211050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4.5 °C	Detected and Quantified	F	Actual				12/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 12/19/2006 11:00 AM
Visit Comment: FAD //
//Cloudy, Cool mild, no rain

Activity: 061219110001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	5.5369	Detected and Quantified	F	Actual				1/4/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	4.42226 µeq/L	Detected and Quantified	F	Actual				1/4/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/4/2007				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	29.54999 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_Grab	50.78019 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	21.80027 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	41.33297 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	77.472 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	111.91591 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	21.38607 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	143.46992 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	137.76474 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.96023	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06121911000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8.5 °C	Detected and Quantified	F	Actual				12/19/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PAIN **Visit Date:** 12/27/2006 11:05 AM
Visit Comment: FAD //slow rise in stage. ice melt or plugged stilling well pipe? rain may have been frozen at high elevation.
//clear. cool
some rain

Activity: 061227110501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	5.5692	Detected and Quantified	F	Actual				1/4/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	5.58216 µeq/L	Detected and Quantified	F	Actual				1/4/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/4/2007				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	29.48164 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	51.73192 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	21.91334 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	42.14901 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	85.042 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	111.65313 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	21.49463 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	145.28241 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_MET_IC2_GRAB	138.77042 µeq/L	Detected and Quantified	F	Actual				4/23/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_MET_IC2_GRAB	0.95518	Detected and Quantified	F	Actual				4/23/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06122711050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6 °C	Detected and Quantified	F	Actual				12/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 1/5/2005 1:45 PM
Visit Comment: FAD // // cloudy, cool a little rain

Activity: 050105134501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.18	Detected and Quantified	F	Actual				1/6/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	186 µeq/L	Detected and Quantified	F	Actual				1/19/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	32.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/6/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	126.546 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	104.85 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	73.732 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

K_AA_Grab	5.632 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	206.454 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	2/23/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	11.528 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	65.499 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	28.623 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	310.76 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	291.65 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.93851	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05010513450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	7 °C	Detected and Quantified	F	Actual				1/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 1/12/2005 11:10 AM
Visit Comment: FAD // // cloudy, mild warm, dry

Activity: 050112111001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.26	Detected and Quantified	F	Actual				1/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	185.3 µeq/L	Detected and Quantified	F	Actual			1/24/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	32.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	1/13/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	123.053 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	102.875 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	72.558 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	5.325 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	203.682 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	2/23/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	10.851 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	63.648 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	29.018 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	303.811 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	288.817 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.95065	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05011211100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6.5 °C	Detected and Quantified	F	Actual				1/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 1/14/2005 6:00 AM
Visit Comment: // //

Activity: 050114060001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.66	Detected and Quantified	F	Actual				1/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	176.9 µeq/L	Detected and Quantified	F	Actual				1/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	34 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/24/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	165.319 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_AutoStream	113.409 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_AutoStream	69.687 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_AutoStream	5.683 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	419.98 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_TC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/19/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.055.												
NO3_IC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.064.												
SO4_IC_AutoStream	67.288 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cl_IC_AutoStream	27.241 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	354.098 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	271.5295 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.76682	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 1/14/2005 8:00 AM
Visit Comment: // //

Activity: 050114080001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.96	Detected and Quantified	F	Actual				1/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	171 µeq/L	Detected and Quantified	F	Actual				1/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	33.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/24/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	133.083 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_AutoStream	104.356 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_AutoStream	68.556 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_AutoStream	7.578 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	284.624 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		2/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NH4_TC_AutoStream	12.52 µeq/L	Detected and Quantified	F	Actual	0.42 ueq/L	1.336 ueq/L	9/19/2005
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.193.							
SO4_IC_AutoStream	71.635 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	24.985 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	313.573 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	267.7205 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.85377	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PINE **Visit Date:** 1/14/2005 12:00 PM

Visit Comment: // //

Activity: 050114120001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.94	Detected and Quantified	F	Actual				1/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	166 µeq/L	Detected and Quantified	F	Actual				1/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	34.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/24/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	139.321 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_AA_AutoStream	112.833 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_AutoStream	67.556 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_AutoStream	7.398 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	203.732 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	2/23/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_TC_AutoStream	2.216 µeq/L	Detected and Quantified	F	Actual	0.42 ueq/L	1.336 ueq/L	9/19/2005
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_AutoStream	21.413 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_AutoStream	81.994 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	25.38 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	327.108 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	294.787 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.90119	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 1/14/2005 2:00 PM
Visit Comment: // //

Activity: 050114140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.02	Detected and Quantified	F	Actual				1/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_AutoStream	167.9 µeq/L	Detected and Quantified	F	Actual			1/26/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	35.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	1/24/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_AutoStream	137.974 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_AutoStream	113.903 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_AutoStream	68.948 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_AutoStream	6.989 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	196.776 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	2/23/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_TC_AutoStream	*Present <QL	*Present <QL	F	Actual	0.42 ueq/L	1.336 ueq/L	9/19/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 1.053.							
NO3_IC_AutoStream	21.477 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_AutoStream	84.198 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	25.859 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	327.814 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	299.434 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.91343	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 1/14/2005 6:00 PM
Visit Comment: // //

Activity: 050114180001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.02	Detected and Quantified	F	Actual				1/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	171 µeq/L	Detected and Quantified	F	Actual				1/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	35.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/24/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	142.015 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_AutoStream	115.385 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_AutoStream	68.73 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_AutoStream	6.605 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	201.375 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		2/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_TC_AutoStream	*Present <QL	*Present <QL	F	Actual	0.42 ueq/L	1.336 ueq/L		9/19/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.886.												
NO3_IC_AutoStream	4.476 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_AutoStream	85.904 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_AutoStream	25.183 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_AA_AUTO	332.735 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_2PT_IC1_AUTO	286.563 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC1_AA_AUTO	0.86123	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 1/14/2005 10:00 AM
Visit Comment: // //

Activity: 050114100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.91	Detected and Quantified	F	Actual				1/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	167.9 µeq/L	Detected and Quantified	F	Actual				1/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	34.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/24/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	144.111 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_AutoStream	111.516 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_AutoStream	67.99 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_AutoStream	7.782 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	212.248 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		2/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_TC_AutoStream	4.986 µeq/L	Detected and Quantified	F	Actual	0.42 ueq/L	1.336 ueq/L		9/19/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_IC_AutoStream	19.256 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_AutoStream	77.626 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	25.324 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	331.399 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	290.106 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.8754	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 1/14/2005 10:00 PM
Visit Comment: // //

Activity: 050114220001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.05	Detected and Quantified	F	Actual				1/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	171.1 µeq/L	Detected and Quantified	F	Actual				1/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	35.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/24/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	138.872 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_AutoStream	114.562 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_AutoStream	69.644 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

K_AA_AutoStream	6.323 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	203.234 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	2/23/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_TC_AutoStream	2.05 µeq/L	Detected and Quantified	F	Actual	0.42 ueq/L	1.336 ueq/L	9/19/2005
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_AutoStream	11.125 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_AutoStream	86.382 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	25.944 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	329.401 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	294.551 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.8942	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 1/15/2005 6:00 AM
Visit Comment: // //

Activity: 050115060001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7	Detected and Quantified	F	Actual				1/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	170.4 µeq/L	Detected and Quantified	F	Actual				1/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	34.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/24/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_AA_AutoStream	137.175 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_AutoStream	112.504 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_AutoStream	69.165 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_AutoStream	5.914 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	203.881 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	2/23/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_TC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L	9/19/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.055.							
NO3_IC_AutoStream	13.878 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_AutoStream	86.424 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	27.072 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	324.758 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	297.774 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.91691	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 1/19/2005 12:55 PM
Visit Comment: FAD // ice in stilling well // Very cold, cloudy, 11 degrees at Thornton Gap Rain, then turned cold, some snow

Activity: 050119125501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.96	Detected and Quantified	F	Actual				1/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	154.4 µeq/L	Detected and Quantified	F	Actual				1/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	31.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/22/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	120.658 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	102.793 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	68.034 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	4.941 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	196.776 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		2/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	14.071 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	74.922 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	28.256 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	296.426 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	271.649 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

IONRATIO_2PT_IC1_AA_GRAB	0.91641	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05011912550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	1.5 °C	Detected and Quantified	F	Actual				1/19/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 1/26/2005 11:25 AM
Visit Comment: FAD // well partially frozen // Clearing, cool Snow, cold

Activity: 050126112501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.09	Detected and Quantified	F	Actual				1/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	155.3 µeq/L	Detected and Quantified	F	Actual				2/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	30.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/27/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	117.315 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	99.418 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	67.556 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	4.915 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	196.179 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NH4_TC_Grab500	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/19/2005
Dilution: N	*Recovery:* N	*Correction:* N						
Result Comment: Reported value of -0.011.								
NO3_IC_Grab	17.63 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_IC_Grab	66.581 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_IC_Grab	29.018 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_AA_GRAB	289.204 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC1_GRAB	268.529 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC1_AA_GRAB	0.92851	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 05012611250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	2.5 °C	Detected and Quantified	F	Actual				1/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0501261125S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Non-detect	*Non-detect	F	Actual	0.172339614 mg/l	0.548039971 mg/l		4/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.15.												
Non-filterable Residue	*Present <QL	*Present <QL	F	Actual	0.179602815 mg/l	0.571136951 mg/l		4/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.3.												

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 2/2/2005 12:25 PM
Visit Comment: FAD // // Clear, cold Cold, snow/sleet/freezing rain event, light amount

Activity: 050202122501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.12	Detected and Quantified	F	Actual				2/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	154.3 µeq/L	Detected and Quantified	F	Actual				2/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	30.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/3/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	117.165 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	97.608 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	67.686 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	4.659 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	198.536 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	19.175 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	63.17 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	29.413 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	287.118 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	266.058 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.92665	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05020212250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	3 °C	Detected and Quantified	F	Actual				2/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 2/9/2005 1:45 PM
Visit Comment: FAD // // cool to warm, mostly cloudy A little mixed precip., cool

Activity: 050209134501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.17	Detected and Quantified	F	Actual				2/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	152.9 µeq/L	Detected and Quantified	F	Actual				2/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	31.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/10/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	120.558 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	99.994 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	72.645 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	5.069 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	201.574 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	15.182 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	62.15 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	29.723 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	298.266 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	259.955 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.87155	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05020913450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6 °C	Detected and Quantified	F	Actual				2/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 2/16/2005 11:00 AM
Visit Comment: FAD // // mild Mild, a little rain

Activity: 050216110001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.2	Detected and Quantified	F	Actual				2/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	160.3 µeq/L	Detected and Quantified	F	Actual				2/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	31.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	2/17/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	118.862 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	100.159 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	71.427 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	4.89 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	198.818 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	12.816 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	62.566 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	29.046 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	295.338 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	264.728 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.89636	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05021611000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	5.5 °C	Detected and Quantified	F	Actual				2/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 2/23/2005 10:40 AM
Visit Comment: FAD // // pt. cloudy, cool. Rain 2/21/05

Activity: 050223104001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.21	Detected and Quantified	F	Actual				2/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	166.8 µeq/L	Detected and Quantified	F	Actual				3/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	32.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/24/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	123.752 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	104.439 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	70.948 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	4.864 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	197.623 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	19.078 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	70.678 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	27.974 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	304.003 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	284.53 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

IONRATIO_2PT_IC1_AA_GRAB	0.93594	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05022310400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4.5 °C	Detected and Quantified	F	Actual				2/23/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 3/2/2005 10:55 AM
Visit Comment: FAD // // Cold, windy 2 snow events, cold

Activity: 050302105501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.16	Detected and Quantified	F	Actual				3/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	165.3 µeq/L	Detected and Quantified	F	Actual				3/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	31.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/3/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	121.407 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	101.97 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	70.774 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	4.685 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	197.391 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_IC_Grab	17.002 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	69.576 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	28.313 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	298.836 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	280.191 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.93761	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05030210550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	2 °C	Detected and Quantified	F	Actual				3/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PINE **Visit Date:** 3/9/2005 11:20 AM

Visit Comment: SUSIE MABEN, DOUGLAS TOBIAS // // Clear and cold Some rain/snow, cool

Activity: 050309112001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.12	Detected and Quantified	F	Actual				3/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	151.2 µeq/L	Detected and Quantified	F	Actual				3/14/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	32.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/10/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_AA_Grab	124.65 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	105.179 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	68.208 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	4.762 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	189.406 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	24.44 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	79.997 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	25.718 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	302.799 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	281.355 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.92918	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05030911200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	3.5 °C	Detected and Quantified	F	Actual				3/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 3/16/2005 10:30 AM
Visit Comment: DOUG TOBIAS, SUSIE MABEN // // Cool, mostly cloudy Cool, some mixed precip.

Activity: 050316103001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.12	Detected and Quantified	F	Actual				3/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	160 µeq/L	Detected and Quantified	F	Actual				3/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	31.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/17/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	119.91 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	100.653 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	70.426 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	4.89 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	194.984 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_TC_Grab500	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/19/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.055.												
NO3_IC_Grab	16.776 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	71.448 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	27.382 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_AA_GRAB	295.879 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	275.606 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.93148	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05031610300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4.5 °C	Detected and Quantified	F	Actual				3/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 3/23/2005 7:10 AM
Visit Comment: DOUGLAS TOBIAS // // Cold, rain Cool, cloudy

Activity: 050323071001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.17	Detected and Quantified	F	Actual				3/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	172.8 µeq/L	Detected and Quantified	F	Actual				3/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	32.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/24/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	125 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	104.274 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	73.167 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_AA_Grab	5.453 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	196.66 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	15.215 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	67.475 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	27.974 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	307.894 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	283.464 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.92065	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05032307100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6 °C	Detected and Quantified	F	Actual				3/23/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 3/28/2005 12:00 PM
Visit Comment: // //

Activity: 050328120001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.93	Detected and Quantified	F	Actual				4/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_AutoStream	160.4 µeq/L	Detected and Quantified	F	Actual			4/4/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	32.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	4/2/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_AutoStream	128.792 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_AutoStream	101.887 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_AutoStream	66.685 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_AutoStream	7.808 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	193.473 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_TC_AutoStream	*Present <QL	*Present <QL	F	Actual	0.42 ueq/L	1.336 ueq/L	9/22/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.942.							
NO3_IC_AutoStream	5.812 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_AutoStream	75.733 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	23.998 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	305.172 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	265.943 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.87145	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

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Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 3/28/2005 2:00 PM
Visit Comment: // //

Activity: 050328140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.83	Detected and Quantified	F	Actual				4/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	151.2 µeq/L	Detected and Quantified	F	Actual				4/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	35 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/2/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	141.167 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_AutoStream	113.409 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_AutoStream	66.076 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_AutoStream	9.293 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	184.326 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_TC_AutoStream	1.939 µeq/L	Detected and Quantified	F	Actual	0.42 ueq/L	1.336 ueq/L		9/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_AutoStream	6.215 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_AutoStream	88.171 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_AutoStream	23.096 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_AUTO	329.945 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_AUTO	268.682 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC1_AA_AUTO	0.81432	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 3/28/2005 4:00 PM
Visit Comment: // //

Activity: 050328160001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.95	Detected and Quantified	F	Actual				4/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	144.2 µeq/L	Detected and Quantified	F	Actual				4/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	35.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/2/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	142.115 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_AutoStream	115.302 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_AutoStream	65.598 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_AutoStream	8.243 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	173.088 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_TC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.277.												

NO3_IC_AutoStream	30.783 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/11/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_AutoStream	91.978 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/11/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	22.616 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/11/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	331.258 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	289.577 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.87417	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 3/28/2005 6:00 PM
Visit Comment: // //

Activity: 050328180001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7	Detected and Quantified	F	Actual				4/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	148.6 µeq/L	Detected and Quantified	F	Actual				4/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	35.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/2/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	141.267 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_AutoStream	114.808 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_AutoStream	63.988 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_AA_AutoStream	7.603 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	174.234 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_TC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L	9/22/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of -0.111.							
NO3_IC_AutoStream	32.908 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/11/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_AutoStream	93.205 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/11/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	22.56 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/11/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	327.666 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	297.273 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.90724	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PINE **Visit Date:** 3/28/2005 8:00 PM

Visit Comment: // //

Activity: 050328200001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.96	Detected and Quantified	F	Actual				4/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	151.1 µeq/L	Detected and Quantified	F	Actual				4/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_AutoStream	35.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	4/2/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_AutoStream	140.369 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_AutoStream	115.055 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_AutoStream	66.25 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_AutoStream	7.45 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	179.23 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_TC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L	9/22/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of -0.018.							
NO3_IC_AutoStream	32.78 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/11/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_AutoStream	94.89 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/11/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	22.927 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/11/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	329.124 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	301.697 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.91667	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 3/29/2005 4:00 AM
Visit Comment: // //

Activity: 050329040001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7	Detected and Quantified	F	Actual				4/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	154.2 µeq/L	Detected and Quantified	F	Actual				4/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	34.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/2/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	136.626 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_AutoStream	113.492 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_AutoStream	66.512 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_AutoStream	6.81 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	183.032 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_TC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.055.												
NO3_IC_AutoStream	29.06 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_AutoStream	92.539 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_AutoStream	23.716 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_AA_AUTO	323.44 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_2PT_IC1_AUTO	299.515 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC1_AA_AUTO	0.92603	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 3/29/2005 12:00 AM
Visit Comment: // //

Activity: 050329000001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.99	Detected and Quantified	F	Actual				4/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	154.5 µeq/L	Detected and Quantified	F	Actual				4/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	35.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/2/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	137.824 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_AutoStream	113.986 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_AutoStream	65.468 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_AutoStream	6.81 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	180.724 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NH4_TC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L	9/22/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.055.							
NO3_IC_AutoStream	28.03 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/11/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_AutoStream	93.558 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/11/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	23.491 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/11/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	324.088 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	299.579 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.92438	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PINE **Visit Date:** 3/30/2005 9:30 AM

Visit Comment: DOUGLAS TOBIAS // // Mostly sunny, warm Rain, cool

Activity: 050330093001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.11	Detected and Quantified	F	Actual				3/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	151.2 µeq/L	Detected and Quantified	F	Actual				4/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	33.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/31/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	130.339 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_AA_Grab	107.072 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	67.382 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	5.939 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	187.447 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_TC_Grab500	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L	9/22/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of -0.015.							
NO3_IC_Grab	11.721 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	86.632 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	25.07 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	310.732 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	274.623 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.88379	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05033009300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	7.2 °C	Detected and Quantified	F	Actual				3/30/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 3/30/2005 12:00 PM
Visit Comment: // //

Activity: 050330120001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.01	Detected and Quantified	F	Actual				4/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	148.5 µeq/L	Detected and Quantified	F	Actual				4/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	32.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/11/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	128.592 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_AutoStream	105.591 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_AutoStream	69.122 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_AutoStream	6.221 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	188.41 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_TC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.016.												
NO3_IC_AutoStream	19.948 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_AutoStream	86.486 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_AutoStream	25.859 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_AA_AUTO	309.526 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_2PT_IC1_AUTO	280.793 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC1_AA_AUTO	0.90717	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 3/30/2005 8:00 PM
Visit Comment: // //

Activity: 050330200001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.1	Detected and Quantified	F	Actual				4/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	157.9 µeq/L	Detected and Quantified	F	Actual				4/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	33.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/11/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	131.187 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_AutoStream	109.624 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_AutoStream	68.208 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_AutoStream	6.144 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	191.099 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NH4_TC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L	9/22/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of -0.055.							
NO3_IC_AutoStream	20.447 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/11/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_AutoStream	84.677 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/11/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	26.226 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/11/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	315.163 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	289.25 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.91778	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 3/31/2005 12:00 PM
Visit Comment: // //

Activity: 050331120001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.1	Detected and Quantified	F	Actual				4/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	156.1 µeq/L	Detected and Quantified	F	Actual				4/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	32.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/11/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	128.592 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_AA_AutoStream	106.085 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_AutoStream	69.078 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_AutoStream	6.221 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	192.245 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_TC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L	9/22/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.111.							
NO3_IC_AutoStream	17.243 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/11/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_AutoStream	81.661 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/11/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	26.649 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/11/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	309.976 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	281.653 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.90863	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 4/2/2005 8:00 AM
Visit Comment: // //

Activity: 050402080001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.12	Detected and Quantified	F	Actual				4/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_AutoStream	161 µeq/L	Detected and Quantified	F	Actual			4/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	32.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	4/11/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_AutoStream	127.295 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_AutoStream	104.027 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_AutoStream	69.992 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_AutoStream	6.17 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	196.478 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_TC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L	9/22/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of -0.024.							
NO3_IC_AutoStream	13.186 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/11/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_AutoStream	74.131 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/11/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	26.254 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/11/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	307.484 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	274.571 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.89296	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

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Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 4/2/2005 12:00 PM
Visit Comment: // //

Activity: 050402120001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.03	Detected and Quantified	F	Actual				4/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	161.7 µeq/L	Detected and Quantified	F	Actual				4/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	32.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/11/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	128.842 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_AutoStream	106.249 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_AutoStream	68.338 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_AutoStream	6.579 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	191.415 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_TC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of -0.013.												
NO3_IC_AutoStream	0.998 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_AutoStream	76.461 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_AutoStream	24.985 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_AA_AUTO	310.008 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_2PT_IC1_AUTO	264.144 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC1_AA_AUTO	0.85206	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 4/2/2005 2:00 PM
Visit Comment: // //

Activity: 050402140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.05	Detected and Quantified	F	Actual				4/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	162.9 µeq/L	Detected and Quantified	F	Actual				4/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	32.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/11/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	130.089 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_AutoStream	107.648 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_AutoStream	70.34 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_AutoStream	6.707 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	191.962 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NH4_TC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L	9/22/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.055.							
NO3_IC_AutoStream	3.526 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/11/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_AutoStream	79.019 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/11/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	25.154 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/11/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	314.784 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	270.599 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.85963	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 4/2/2005 4:00 PM
Visit Comment: // //

Activity: 050402160001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.11	Detected and Quantified	F	Actual				4/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	165.4 µeq/L	Detected and Quantified	F	Actual				4/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	33.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/11/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	133.133 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_AA_AutoStream	109.624 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_AutoStream	70.514 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_AutoStream	6.605 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	192.676 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_TC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L	9/22/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.166.							
NO3_IC_AutoStream	7.535 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/11/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_AutoStream	80.538 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/11/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	25.211 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/11/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	319.876 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	278.684 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.87123	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 4/2/2005 6:00 PM
Visit Comment: // //

Activity: 050402180001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7	Detected and Quantified	F	Actual				4/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_AutoStream	157.9 µeq/L	Detected and Quantified	F	Actual			4/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	31.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	4/11/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_AutoStream	127.195 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_AutoStream	104.109 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_AutoStream	65.468 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_AutoStream	7.296 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	183.347 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_TC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L	9/22/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.014.							
NO3_IC_AutoStream	1.53 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/11/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_AutoStream	75.587 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/11/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	22.616 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/11/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	304.068 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	257.633 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.84729	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

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Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 4/2/2005 8:00 PM
Visit Comment: // //

Activity: 050402200001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.66	Detected and Quantified	F	Actual				4/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	153.5 µeq/L	Detected and Quantified	F	Actual				4/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	33.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/11/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	135.628 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_AutoStream	109.541 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_AutoStream	62.118 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_AutoStream	9.984 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	180.608 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_TC_AutoStream	2.715 µeq/L	Detected and Quantified	F	Actual	0.42 ueq/L	1.336 ueq/L		9/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_AutoStream	15.939 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_AutoStream	85.717 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_AutoStream	20.614 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_AUTO	317.271 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_AUTO	275.77 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC1_AA_AUTO	0.86919	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 4/2/2005 10:00 AM
Visit Comment: // //

Activity: 050402100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.05	Detected and Quantified	F	Actual				4/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	161.1 µeq/L	Detected and Quantified	F	Actual				4/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	31.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/11/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	126.846 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_AutoStream	102.546 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_AutoStream	65.38 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_AutoStream	6.4 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	189.489 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_TC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.055.												

NO3_IC_AutoStream	3.639 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/11/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_AutoStream	73.278 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/11/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	25.042 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/11/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	301.172 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	263.059 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.87345	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PINE **Visit Date:** 4/6/2005 7:50 AM

Visit Comment: DOUGLAS TOBIAS // // Warm, sunny Precip. over weekend

Activity: 050406075001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.18	Detected and Quantified	F	Actual				4/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	166 µeq/L	Detected and Quantified	F	Actual				4/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	33.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/11/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	130.838 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	107.648 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	70.426 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_AA_Grab	6.195 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	197.407 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	14.249 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/11/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	77.771 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/11/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	26.452 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/11/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	315.107 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	284.472 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.90278	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05040607500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8.3 °C	Detected and Quantified	F	Actual				4/6/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 4/6/2005 8:00 AM
Visit Comment: // //

Activity: 050406080001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.3	Detected and Quantified	F	Actual				4/14/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_AutoStream	166.4 µeq/L	Detected and Quantified	F	Actual			4/14/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	33 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	4/14/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_AutoStream	137.774 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_AutoStream	112.586 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_AutoStream	71.166 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_AutoStream	6.733 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	202.321 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_TC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L	9/22/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.332.							
NO3_IC_AutoStream	5.12 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_AutoStream	76.71 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	26.931 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	328.259 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	275.161 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.83824	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 4/13/2005 11:10 AM
Visit Comment: DOUGLAS TOBIAS // // Cold, light rain in morning Moderate temps., some rain

Activity: 050413111001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.27	Detected and Quantified	F	Actual				4/14/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	193.5 µeq/L	Detected and Quantified	F	Actual				4/14/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	33.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/14/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	134.63 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	110.2 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	78.561 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	6.656 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	211.866 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_TC_Grab500	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.111.												
NO3_IC_Grab	10.143 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	66.789 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	28.313 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_AA_GRAB	330.047 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	298.745 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.90516	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05041311100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10 °C	Detected and Quantified	F	Actual				4/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 4/20/2005 8:00 AM
Visit Comment: DOUGLAS TOBIAS // // Warm, partly cloudy Warm, partly cloudy, some rain

Activity: 050420080001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.24	Detected and Quantified	F	Actual				4/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	216 µeq/L	Detected and Quantified	F	Actual				4/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	35.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/21/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	141.966 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	115.385 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	79.257 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_AA_Grab	6.707 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	220.614 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	7.615 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	62.774 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	29.215 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	343.315 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	315.604 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.91928	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05042008000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11 °C	Detected and Quantified	F	Actual				4/20/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 4/27/2005 11:00 AM
Visit Comment: DOUGLAS TOBIAS // // Cool, windy, rain in morning Cool, partly cloudy, some rain & thunder

Activity: 050427110001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.31	Detected and Quantified	F	Actual				4/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	208.6 µeq/L	Detected and Quantified	F	Actual			5/3/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	34.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	4/28/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	136.377 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	112.01 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	78.909 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	6.733 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	218.954 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_TC_Grab500	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L	9/22/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.166.							
NO3_IC_Grab	6.585 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	64.022 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	29.356 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	334.029 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	308.563 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.92376	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05042711000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11.8 °C	Detected and Quantified	F	Actual				4/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0504271100S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Present <QL	*Present <QL	F	Actual	0.172339614 mg/l	0.548039971 mg/l		7/18/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.5.												
Non-filterable Residue	1.2 mg/l	Detected and Quantified	F	Actual	0.179602815 mg/l	0.571136951 mg/l		7/18/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 5/4/2005 11:55 AM
Visit Comment: DOUGLAS TOBIAS // // Cool, mostly cloudy Warm, partly cloudy, scattered rain showers

Activity: 050504115501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.32	Detected and Quantified	F	Actual				5/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	206.1 µeq/L	Detected and Quantified	F	Actual				5/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	34.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/5/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	136.626 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_AA_Grab	112.751 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	77.169 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	6.374 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	214.007 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	5.426 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	66.914 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	28.059 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	332.92 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	306.499 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.92064	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05050411550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10.8 °C	Detected and Quantified	F	Actual				5/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 5/11/2005 8:05 AM
Visit Comment: DOUGLAS TOBIAS // // Warm, cloudy Cool to warm temps., partly cloudy

Activity: 050511080501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.26	Detected and Quantified	F	Actual				5/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	233.6 µeq/L	Detected and Quantified	F	Actual				5/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	35.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/12/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	147.904 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	120.487 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	83.824 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	6.835 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	224.532 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_TC_Grab500	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.055.												
NO3_IC_Grab	1.497 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	62.358 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	28.426 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_AA_GRAB	359.05 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	325.881 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.90762	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05051108050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12.5 °C	Detected and Quantified	F	Actual				5/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 5/18/2005 9:55 AM
Visit Comment: DOUGLAS TOBIAS, SUSIE MABEN // // Warm, mostly sunny Thunderstorms over weekend, warm

Activity: 050518095501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.33	Detected and Quantified	F	Actual				5/19/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	260.3 µeq/L	Detected and Quantified	F	Actual				5/19/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	36.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/19/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	149.45 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	121.392 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	84.999 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_AA_Grab	6.63 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	234.01 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Present <QL	*Present <QL	F	Actual	0.201 ueq/L	0.639 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.435.							
SO4_IC_Grab	58.906 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	28.82 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	362.471 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	348.446 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.96131	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05051809550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12.7 °C	Detected and Quantified	F	Actual				5/18/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 5/20/2005 10:00 AM
Visit Comment: // //

Activity: 050520100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.1	Detected and Quantified	F	Actual				5/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_AutoStream	243 µeq/L	Detected and Quantified	F	Actual			5/26/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	36.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	5/26/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_AutoStream	144.61 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_AutoStream	113.162 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_AutoStream	80.344 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_AutoStream	10.47 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	287.827 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_TC_AutoStream	4.986 µeq/L	Detected and Quantified	F	Actual	0.42 ueq/L	1.336 ueq/L	9/22/2005
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_AutoStream	62.15 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	27.157 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	348.586 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	332.4075 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.95359	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

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Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 5/20/2005 12:00 PM
Visit Comment: // //

Activity: 050520120001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.28	Detected and Quantified	F	Actual				5/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	238.5 µeq/L	Detected and Quantified	F	Actual				5/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	36.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/26/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	149.55 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_AutoStream	119.746 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_AutoStream	80.562 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_AutoStream	8.832 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	227.719 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_TC_AutoStream	*Present <QL	*Present <QL	F	Actual	0.42 ueq/L	1.336 ueq/L		9/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.499.												
NO3_IC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		11/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.032.												
SO4_IC_AutoStream	63.752 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_AutoStream	25.831 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_AA_AUTO	358.69 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_2PT_IC1_AUTO	328.1835 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC1_AA_AUTO	0.91495	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 5/20/2005 2:00 PM
Visit Comment: // //

Activity: 050520140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.33	Detected and Quantified	F	Actual				5/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	238.5 µeq/L	Detected and Quantified	F	Actual				5/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	36.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/26/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	151.047 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_AutoStream	122.709 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_AutoStream	77.648 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_AutoStream	8.269 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	223.785 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NH4_TC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L	9/22/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.166.							
NO3_IC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.032.							
SO4_IC_AutoStream	65.062 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	25.69 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	359.673 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	329.3525 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.9157	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 5/20/2005 10:00 PM
Visit Comment: // //

Activity: 050520220001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.39	Detected and Quantified	F	Actual				5/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	243.6 µeq/L	Detected and Quantified	F	Actual				5/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	37.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/26/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	153.642 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_AA_AutoStream	124.684 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_AutoStream	78.213 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_AutoStream	7.45 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	220.631 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_TC_AutoStream	1.773 µeq/L	Detected and Quantified	F	Actual	0.42 ueq/L	1.336 ueq/L	9/22/2005
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_AutoStream	5.12 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_AutoStream	69.118 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	25.465 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	363.989 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	343.303 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.94317	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 5/20/2005 6:00 PM
Visit Comment: // //

Activity: 050520180001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.38	Detected and Quantified	F	Actual				5/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_AutoStream	239.2 µeq/L	Detected and Quantified	F	Actual			5/26/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	37.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	5/26/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_AutoStream	152.295 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_AutoStream	123.697 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_AutoStream	78.039 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_AutoStream	7.757 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	217.095 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_TC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L	9/22/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.332.							
NO3_IC_AutoStream	5.361 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_AutoStream	67.475 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	25.549 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	361.788 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	337.585 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.9331	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 5/20/2005 4:00 PM
Visit Comment: // //

Activity: 050520160001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.36	Detected and Quantified	F	Actual				5/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	239.2 µeq/L	Detected and Quantified	F	Actual				5/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	37.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/26/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	151.446 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_AutoStream	123.45 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_AutoStream	77.126 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_AutoStream	8.013 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	217.078 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_TC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.166.												
NO3_IC_AutoStream	11.544 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_AutoStream	67.184 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_AutoStream	25.831 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_AA_AUTO	360.035 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_2PT_IC1_AUTO	343.759 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC1_AA_AUTO	0.95479	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PINE **Visit Date:** 5/25/2005 11:00 AM

Visit Comment: DOUGLAS TOBIAS // // Cool, cloudy, some sprinkles in the afternoon Cool, partly cloudy, scattered rain showers and thunder

Activity: 050525110001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.24	Detected and Quantified	F	Actual				5/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	213.6 µeq/L	Detected and Quantified	F	Actual				5/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	33.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/26/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	135.478 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	110.282 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	70.992 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	6.374 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	198.187 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NH4_TC_Grab500	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/22/2005
Dilution: N	*Recovery:* N	*Correction:* N						
Result Comment: Reported value of 0.166.								
NO3_IC_Grab	2.705 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_IC_Grab	70.616 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_IC_Grab	23.068 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_AA_GRAB	323.126 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC1_GRAB	309.989 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC1_AA_GRAB	0.95934	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 05052511000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11.3 °C	Detected and Quantified	F	Actual				5/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 6/1/2005 11:15 AM
Visit Comment: DOUGLAS TOBIAS // // Cool, partly cloudy Cool, partly cloudy, some light rain

Activity: 050601111501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.25	Detected and Quantified	F	Actual				6/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	231.1 µeq/L	Detected and Quantified	F	Actual				6/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	34 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	6/2/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	138.672 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	113.162 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	75.777 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	6.118 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	212.762 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	1.336 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	62.837 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	25.606 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	333.729 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	320.879 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.9615	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05060111150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	13.4 °C	Detected and Quantified	F	Actual				6/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 6/8/2005 12:15 PM
Visit Comment: DOUGLAS TOBIAS // // Hot, partly cloudy Cool, cloudy, rain

Activity: 050608121501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.27	Detected and Quantified	F	Actual				6/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	259.7 µeq/L	Detected and Quantified	F	Actual				6/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	36.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		6/9/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	149.999 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	120.487 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	81.345 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	6.938 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	228.034 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_TC_Grab500	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.055.												
NO3_IC_Grab	1.465 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	60.674 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	26.367 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_AA_GRAB	358.769 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	348.206 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.97056	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05060812150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	17 °C	Detected and Quantified	F	Actual				6/8/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 6/15/2005 7:30 AM
Visit Comment: DOUGLAS TOBIAS // // Hot, mostly sunny Hot, partly cloudy, some brief rain and thunder storms

Activity: 050615073001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.29	Detected and Quantified	F	Actual				6/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	290.4 µeq/L	Detected and Quantified	F	Actual				6/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	39.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		6/16/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	163.223 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	131.022 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	87.739 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_AA_Grab	7.526 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	248.07 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.064.							
SO4_IC_Grab	55.786 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	27.636 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	389.51 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	373.9225 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.95998	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05061507300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	17 °C	Detected and Quantified	F	Actual				6/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 6/22/2005 12:35 PM
Visit Comment: DOUGLAS TOBIAS // // Cool, cloudy, some light rain Cool to warm, partly cloudy

Activity: 050622123501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.3	Detected and Quantified	F	Actual				6/23/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	290.4 µeq/L	Detected and Quantified	F	Actual			6/23/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	39.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	6/23/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	160.728 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	128.964 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	90.741 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	7.27 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	249.133 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.016.							
SO4_IC_Grab	52.915 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	28.454 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	387.703 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	371.8695 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.95916	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05062212350F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	17 °C	Detected and Quantified	F	Actual				6/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 6/29/2005 7:35 AM
Visit Comment: DOUGLAS TOBIAS, CHRIS MOORE // // Clear, warm Scattered T-storms, hot

Activity: 050629073501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.92	Detected and Quantified	F	Actual				7/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	316.1 µeq/L	Detected and Quantified	F	Actual				7/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	41.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/11/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	170.658 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	136.453 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	96.614 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	8.038 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	256.503 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	5.249 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_IC_Grab	51.002 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_IC_Grab	27.974 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_AA_GRAB	411.763 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC1_GRAB	400.325 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC1_AA_GRAB	0.97222	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 05062907350F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	16.6 °C	Detected and Quantified	F	Actual				6/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 7/6/2005 8:00 AM
Visit Comment: CHRIS MOORE // // Cool, cloudy Hot, scattered T-storms

Activity: 050706080001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.71	Detected and Quantified	F	Actual				7/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	332.8 µeq/L	Detected and Quantified	F	Actual				7/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	42.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/11/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	175.997 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_AA_Grab	138.017 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	98.702 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	8.448 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	265.965 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	46.363 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	27.833 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	421.164 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	407.0965 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.9666	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05070608000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	16 °C	Detected and Quantified	F	Actual				7/6/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 7/8/2005 2:00 AM
Visit Comment: // //

Activity: 050708020001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.95	Detected and Quantified	F	Actual				7/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	235.5 µeq/L	Detected and Quantified	F	Actual				7/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	34.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/15/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	132.534 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_AutoStream	100.818 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_AutoStream	77.517 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_AutoStream	14.438 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	232.068 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_TC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.166.												
NO3_IC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.005.												
SO4_IC_AutoStream	51.667 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_AutoStream	22.193 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_AA_AUTO	325.307 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_2PT_IC1_AUTO	309.4605 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC1_AA_AUTO	0.95129	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 7/8/2005 4:00 AM
Visit Comment: // //

Activity: 050708040001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.91	Detected and Quantified	F	Actual				7/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	217.9 µeq/L	Detected and Quantified	F	Actual				7/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	35.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/15/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	145.558 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_AutoStream	111.105 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_AutoStream	70.818 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_AutoStream	13.85 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	205.159 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NH4_TC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L	9/22/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.166.							
NO3_IC_AutoStream	21.059 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_AutoStream	59.592 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	19.289 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	341.331 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	317.84 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.93118	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 7/8/2005 6:00 AM
Visit Comment: // //

Activity: 050708060001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.01	Detected and Quantified	F	Actual				7/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	207.9 µeq/L	Detected and Quantified	F	Actual				7/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	36.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/15/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	150.049 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_AA_AutoStream	115.549 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_AutoStream	69.644 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_AutoStream	12.416 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	198.171 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_TC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L	9/22/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.166.							
NO3_IC_AutoStream	19.787 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_AutoStream	68.12 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	17.907 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	347.658 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	313.714 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.90236	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 7/8/2005 8:00 AM
Visit Comment: // //

Activity: 050708080001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.11	Detected and Quantified	F	Actual				7/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_AutoStream	183.5 µeq/L	Detected and Quantified	F	Actual			7/25/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	35 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	7/15/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_AutoStream	152.894 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_AutoStream	116.701 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_AutoStream	72.166 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_AutoStream	10.368 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	193.141 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_TC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L	9/22/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.055.							
NO3_IC_AutoStream	7.004 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_AutoStream	71.344 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	16.13 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	352.129 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	277.978 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.78942	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 7/8/2005 10:00 AM
Visit Comment: // //

Activity: 050708100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.13	Detected and Quantified	F	Actual				7/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	196.7 µeq/L	Detected and Quantified	F	Actual				7/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	35.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/15/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	150.349 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_AutoStream	115.796 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_AutoStream	68.991 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_AutoStream	8.909 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	199.798 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_TC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.111.												
NO3_IC_AutoStream	7.342 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_AutoStream	73.008 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_AutoStream	16.751 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_AA_AUTO	344.045 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_2PT_IC1_AUTO	293.801 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC1_AA_AUTO	0.85396	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 7/8/2005 2:00 PM
Visit Comment: // //

Activity: 050708140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.2	Detected and Quantified	F	Actual				7/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	221.1 µeq/L	Detected and Quantified	F	Actual				7/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	38.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/15/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	156.087 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_AutoStream	122.051 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_AutoStream	75.777 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_AutoStream	8.141 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	215.9 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NH4_TC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L	9/22/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.055.							
NO3_IC_AutoStream	3.606 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_AutoStream	73.59 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	18.668 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	362.056 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	316.964 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.87546	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PINE **Visit Date:** 7/13/2005 7:40 AM

Visit Comment: CHRIS MOORE // // Warm, humid, cloudy Hot, T-storms

Activity: 050713074001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.17	Detected and Quantified	F	Actual				7/14/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	297.8 µeq/L	Detected and Quantified	F	Actual				7/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	40.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/14/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	171.257 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_AA_Grab	134.231 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	88.74 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	7.142 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	252.602 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.032.							
SO4_IC_Grab	60.632 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	24.308 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	401.37 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	382.8405 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.95383	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05071307400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18 °C	Detected and Quantified	F	Actual				7/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 7/20/2005 8:05 AM
Visit Comment: CHRIS MOORE // // Clear, warm Hot, humid, dry

Activity: 050720080501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.21	Detected and Quantified	F	Actual				7/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	326.1 µeq/L	Detected and Quantified	F	Actual				8/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	41.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/21/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	177.844 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	137.77 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	91.655 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	7.552 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	263.044 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.048.												
SO4_IC_Grab	53.893 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	25.577 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	414.821 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	405.6705 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.97794	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05072008050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	20 °C	Detected and Quantified	F	Actual				7/20/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 7/27/2005 7:30 AM
Visit Comment: CHRIS MOORE // // Clear, hot, humid Hot, humid, dry

Activity: 050727073001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.18	Detected and Quantified	F	Actual				7/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	351.1 µeq/L	Detected and Quantified	F	Actual				8/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	44.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/28/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	186.526 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	146 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	98.397 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	8.141 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	272.705 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_TC_Grab500	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L	9/22/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of -0.055.							
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	50.066 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	25.775 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	439.064 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	427.0415 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.97262	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05072707300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	21 °C	Detected and Quantified	F	Actual				7/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0507270730S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	0.85 mg/l	Detected and Quantified	F	Actual	0.172339614 mg/l	0.548039971 mg/l		9/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Non-filterable Residue	1.85 mg/l	Detected and Quantified	F	Actual	0.179602815 mg/l	0.571136951 mg/l		9/28/2005			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 8/3/2005 10:15 AM
Visit Comment: CHRIS MOORE // // Clear, hot Hot, dry

Activity: 050803101501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.91	Detected and Quantified	F	Actual				8/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	358.6 µeq/L	Detected and Quantified	F	Actual				8/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	44.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/5/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	188.971 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	144.93 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	100.485 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	8.243 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	273.004 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.032.												
SO4_IC_Grab	47.923 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cl_IC_Grab	26.705 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_AA_GRAB	442.629 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC1_GRAB	433.3285 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC1_AA_GRAB	0.97899	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 05080310150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	20 °C	Detected and Quantified	F	Actual				8/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 8/11/2005 8:25 AM
Visit Comment: CHRIS MOORE // // Clear, warm Hot, scattered T-storms

Activity: 050811082501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.27	Detected and Quantified	F	Actual				8/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	348.5 µeq/L	Detected and Quantified	F	Actual				8/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	45.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/12/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	194.161 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	149.128 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Na_AA_Grab	96.309 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	8.218 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	272.223 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	3.542 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	50.544 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	26 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	447.816 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	428.586 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.95706	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05081108250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	20 °C	Detected and Quantified	F	Actual				8/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 8/17/2005 10:50 AM
Visit Comment: CHRIS MOORE // // Partly cloudy, warm Hot, scattered T-storms

Activity: 050817105001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.37	Detected and Quantified	F	Actual				8/18/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	359.2 µeq/L	Detected and Quantified	F	Actual				8/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	45.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/18/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	196.606 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	150.362 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	95.048 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	8.013 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	270.497 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	3.413 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	52.354 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	25.183 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	450.029 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	440.15 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

IONRATIO_2PT_IC1_AA_GRAB	0.97805	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05081710500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	20.5 °C	Detected and Quantified	F	Actual				8/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 8/24/2005 1:35 PM
Visit Comment: SUSIE MABEN // // Mostly sunny, warm Hot, humid, scattered thunderstorms

Activity: 050824133501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.96	Detected and Quantified	F	Actual				8/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	366.1 µeq/L	Detected and Quantified	F	Actual				8/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	44.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/26/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	192.514 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	148.222 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	105.183 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	8.678 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	280.108 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N						
Result Comment: Reported value of 0.048.								
SO4_IC_Grab	46.114 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_IC_Grab	26.48 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_AA_GRAB	454.597 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC1_GRAB	438.7945 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC1_AA_GRAB	0.96524	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 05082413350F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	20 °C	Detected and Quantified	F	Actual				8/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 8/29/2005 11:00 AM
Visit Comment: FAD // // Mostly sunny, warm Hot, humid, scattered thunderstorms

Activity: 050829110001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.91	Detected and Quantified	F	Actual				9/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	387.1 µeq/L	Detected and Quantified	F	Actual				9/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	47 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	9/1/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	205.039 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	159.086 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	106.14 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	8.422 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	277.701 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	47.819 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	26.677 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	478.687 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	461.6965 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.96451	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05082911000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	20 °C	Detected and Quantified	F	Actual				8/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

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Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 8/31/2005 12:00 AM
Visit Comment: // //

Activity: 050831000001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.22	Detected and Quantified	F	Actual				9/8/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	273.6 µeq/L	Detected and Quantified	F	Actual				9/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	40.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/8/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	164.071 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_AutoStream	128.553 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_AutoStream	81.388 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_AutoStream	15.334 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	245.481 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_TC_AutoStream	2.604 µeq/L	Detected and Quantified	F	Actual	0.42 ueq/L	1.336 ueq/L		9/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_AutoStream	15.07 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_AutoStream	55.224 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_AutoStream	23.942 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_AUTO	389.346 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_AUTO	367.836 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC1_AA_AUTO	0.94475	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 8/31/2005 2:00 AM
Visit Comment: // //

Activity: 050831020001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.28	Detected and Quantified	F	Actual				9/8/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	248.5 µeq/L	Detected and Quantified	F	Actual				9/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	42.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/8/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	198.652 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_AutoStream	146.741 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_AutoStream	76.516 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_AutoStream	11.264 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	219.884 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_TC_AutoStream	*Present <QL	*Present <QL	F	Actual	0.42 ueq/L	1.336 ueq/L		9/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 1.108.												

NO3_IC_AutoStream	36.016 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_AutoStream	65.374 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	22.334 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	433.173 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	372.224 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.8593	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 8/31/2005 4:00 AM
Visit Comment: // //

Activity: 050831040001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.44	Detected and Quantified	F	Actual				9/8/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	272.5 µeq/L	Detected and Quantified	F	Actual				9/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	43.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/8/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	198.003 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_AutoStream	150.033 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_AutoStream	80.475 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_AA_AutoStream	10.547 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	227.237 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_TC_AutoStream	*Present <QL	*Present <QL	F	Actual	0.42 ueq/L	1.336 ueq/L	9/22/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 1.33.							
NO3_IC_AutoStream	6.553 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_AutoStream	65.894 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	22.588 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	439.058 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	367.535 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.8371	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PINE **Visit Date:** 9/7/2005 10:45 AM

Visit Comment: FAD // chart time off but appears to be running // Warm, mostly sunny Fair, little rain

Activity: 050907104501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.19	Detected and Quantified	F	Actual				9/8/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	357.4 µeq/L	Detected and Quantified	F	Actual				9/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	45 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	9/8/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	198.602 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	151.844 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	105.401 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	8.115 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	280.507 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Present <QL	*Present <QL	F	Actual	0.201 ueq/L	0.639 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.58.							
SO4_IC_Grab	49.254 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	26.649 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	463.962 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	433.723 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.93482	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05090710450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	16.5 °C	Detected and Quantified	F	Actual				9/7/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 9/12/2005 11:10 AM
Visit Comment: FAD // // clear, coolish dry

Activity: 050912111001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.17	Detected and Quantified	F	Actual				9/14/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	352.1 µeq/L	Detected and Quantified	F	Actual				9/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	46.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/14/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	197.654 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	153.325 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	107.575 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	8.243 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	281.934 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_TC_Grab500	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		12/8/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of -0.004.												
NO3_IC_Grab	1.047 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	46.966 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	27.41 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_AA_GRAB	466.797 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	427.523 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.91586	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05091211100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	17 °C	Detected and Quantified	F	Actual				9/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 9/19/2005 10:40 AM
Visit Comment: FAD // chart not advancing // Sunny, hot Dry, hot days, cool nights

Activity: 050919104001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.12	Detected and Quantified	F	Actual				9/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	374.2 µeq/L	Detected and Quantified	F	Actual				9/23/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	44.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/21/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	200.897 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	153.819 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	108.098 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_AA_Grab	8.32 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	282.15 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	4.347 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	48.194 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	26.705 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	471.134 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	453.446 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.96246	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05091910400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18 °C	Detected and Quantified	F	Actual				9/19/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PINE **Visit Date:** 9/26/2005 10:40 AM

Visit Comment: FAD // chart started running but is behind // cloudy Warm, mostly dry

Activity: 050926104001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.06	Detected and Quantified	F	Actual				10/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	394.5 µeq/L	Detected and Quantified	F	Actual			10/1/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	46.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	9/30/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	203.891 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	156.617 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	112.099 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	9.421 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	288.292 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_TC_Grab500	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L	12/8/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.055.							
NO3_IC_Grab	*Present <QL	*Present <QL	F	Actual	0.201 ueq/L	0.639 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.37.							
SO4_IC_Grab	47.674 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	28.003 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	482.028 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	470.597 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.97629	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05092610400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18.5 °C	Detected and Quantified	F	Actual				9/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 10/3/2005 1:10 PM
Visit Comment: FAD // // cool, clear Dry

Activity: 051003131001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.1	Detected and Quantified	F	Actual				10/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	370.39662 µeq/L	Detected and Quantified	F	Actual				10/7/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	43.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/5/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	200.7803 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	156.05335 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	113.0376 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	8.76057 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	281.47 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/5/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	0.41313 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	46.97511 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	27.69192 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	478.63832 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	445.47678 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.93072	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05100313100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	16 °C	Detected and Quantified	F	Actual				10/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PINE **Visit Date:** 10/7/2005 12:00 PM

Visit Comment: // //

Activity: 051007120001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.59	Detected and Quantified	F	Actual				10/20/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	226.01567 µeq/L	Detected and Quantified	F	Actual				10/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	41.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/20/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_AutoStream *Dilution:* N	166.94583 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.468 ueq/L	1.488 ueq/L	6/6/2007
Mg_Ions_AutoStream *Dilution:* N	134.58309 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.218 ueq/L	0.694 ueq/L	6/6/2007
Na_Ions_AutoStream *Dilution:* N	85.50701 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.029 ueq/L	0.091 ueq/L	6/6/2007
K_Ions_AutoStream *Dilution:* N	15.70803 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.029 ueq/L	0.092 ueq/L	6/6/2007
SiO2_TC_AutoStream *Dilution:* N	280.191 µmol/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	1.051 umol/L	3.342 umol/L	6/5/2007
NH4_Ions_AutoStream *Dilution:* N	*Non-detect *Recovery:* N	*Non-detect *Correction:* N	F	Actual	0.013 ueq/L	0.04 ueq/L	6/6/2007
NO3_Ions_AutoStream *Dilution:* N	18.0275 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.081 ueq/L	0.258 ueq/L	6/6/2007
SO4_Ions_AutoStream *Dilution:* N	60.52692 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.31 ueq/L	0.986 ueq/L	6/6/2007
Cl_Ions_AutoStream *Dilution:* N	35.58722 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.076 ueq/L	0.242 ueq/L	6/6/2007
SBC_IC2_AUTO *Dilution:* N	402.75046 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/6/2008
SAA_2PT_IC2_AUTO *Dilution:* N	340.15731 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/18/2008
IONRATIO_2PT_IC2_AUTO *Dilution:* N	0.84459 *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/18/2008

NPSTORET Results with Comments

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Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 10/7/2005 2:00 PM
Visit Comment: // //

Activity: 051007140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.95	Detected and Quantified	F	Actual				10/20/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	218.44073 µeq/L	Detected and Quantified	F	Actual				10/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	41 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/20/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	179.78238 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	143.5764 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	82.46436 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	14.46745 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	225.494 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/5/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	2.85508 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	17.71635 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	70.52337 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	37.42807 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_AUTO	423.14567 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_AUTO	344.10852 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_AUTO	0.81322	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 10/8/2005 12:00 AM
Visit Comment: // //

Activity: 051008000001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.02	Detected and Quantified	F	Actual				10/20/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	238.48281 µeq/L	Detected and Quantified	F	Actual				10/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	42.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/20/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	187.09859 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	148.00905 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	83.3335 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	10.8142 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	223.204 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/5/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	12.15572 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	7.34681 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_AutoStream	73.9436 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	34.82091 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	441.41106 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	354.59413 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.80332	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 10/8/2005 10:00 AM
Visit Comment: // //

Activity: 051008100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.99	Detected and Quantified	F	Actual				10/20/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	236.34403 µeq/L	Detected and Quantified	F	Actual				10/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	39.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/20/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	170.96152 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	136.19512 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	80.40389 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	11.76861 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_AutoStream	239.256 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/5/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	4.2204 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	0.87009 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	65.74746 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	31.69926 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	403.54954 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	334.66084 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.82929	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 10/8/2005 12:00 PM
Visit Comment: // //

Activity: 051008120001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.83	Detected and Quantified	F	Actual				10/20/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	200.01766 µeq/L	Detected and Quantified	F	Actual				10/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	37.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/20/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	161.87924 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_AutoStream	125.54141 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	72.90218 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	12.82167 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	226.573 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/5/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	3.55523 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	4.48498 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	73.53695 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	29.75446 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	376.69973 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	307.79405 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.81708	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 10/8/2005 4:00 PM
Visit Comment: // //

Activity: 051008160001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.89	Detected and Quantified	F	Actual				10/20/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_AutoStream	178.85249 µeq/L	Detected and Quantified	F	Actual			10/24/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	37.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	10/20/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_AutoStream	167.82682 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	134.24531 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	71.18815 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	10.84302 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	207.55 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/5/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	4.79371 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	0.56362 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	83.69296 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	28.61707 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	388.89701 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	291.72614 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.75014	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

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Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 10/9/2005 4:00 AM
Visit Comment: // //

Activity: 051009040001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.85	Detected and Quantified	F	Actual				10/20/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	183.85174 µeq/L	Detected and Quantified	F	Actual				10/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	37.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/20/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	165.00211 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	130.70852 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	74.05441 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	8.79387 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	216.862 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/5/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	0.42369 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	84.24828 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	28.36633 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_AUTO	378.56541 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_AUTO	296.89004 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_AUTO	0.78425	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 10/9/2005 8:00 AM
Visit Comment: // //

Activity: 051009080001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.92	Detected and Quantified	F	Actual				10/20/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	189.02302 µeq/L	Detected and Quantified	F	Actual				10/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	36.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/20/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	162.88315 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	129.94741 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	72.49811 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	8.28797 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	218.174 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/5/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	5.01394 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	4.10729 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_AutoStream	83.53956 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	28.53812 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	378.63058 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	305.20799 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.80608	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 10/9/2005 12:00 PM
Visit Comment: // //

Activity: 051009120001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.92	Detected and Quantified	F	Actual				10/20/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	181.35211 µeq/L	Detected and Quantified	F	Actual				10/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	36.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/20/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	158.00811 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	124.03538 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	72.8941 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	8.05838 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_AutoStream	216.281 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/5/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	0.80013 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	82.64067 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	27.93881 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	363.00247 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	292.73172 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.80642	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PINE **Visit Date:** 10/10/2005 11:35 AM

Visit Comment: FAD // // cool, fog tropical storm. 5-7" rain.

Activity: 051010113501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.83	Detected and Quantified	F	Actual				10/20/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	218.58958 µeq/L	Detected and Quantified	F	Actual				10/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	34.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/20/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	152.26031 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_Grab	122.34349 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	71.84344 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	7.45065 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	207.068 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/5/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	78.91037 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	26.85343 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	353.90439 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	324.39388 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.91661	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05101011350F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	16 °C	Detected and Quantified	F	Actual				10/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 10/17/2005 11:25 AM
Visit Comment: FAD // // clear, cool mostly dry

Activity: 051017112501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.13	Detected and Quantified	F	Actual				10/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	244.37719 µeq/L	Detected and Quantified	F	Actual				10/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	36 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/21/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	156.46542 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	132.12969 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	77.32819 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	7.98407 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	227.503 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/5/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	68.31543 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	27.87567 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	373.91387 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	340.60879 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.91093	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05101711250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	13.5 °C	Detected and Quantified	F	Actual				10/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 10/24/2005 11:40 AM
Visit Comment: FAD // Observed today: 3 hacks on tree at shed (axe?) tree shaved both sides just above concrete posts on trail shaving and blazes at trail re-route tag 1599 w/gutter spike blazes outside Park, not go // cloudy, cool some rain

Activity: 051024114001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.97	Detected and Quantified	F	Actual				10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	209.0204 µeq/L	Detected and Quantified	F	Actual				11/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	34 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	148.54062 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	122.50554 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	73.02477 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_Grab	6.18417 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	210.853 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/5/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	69.22768 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	29.62291 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	350.2616 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	307.91149 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.87909	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05102411400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11.5 °C	Detected and Quantified	F	Actual				10/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 10/25/2005 6:00 AM
Visit Comment: // //

Activity: 051025060001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.05	Detected and Quantified	F	Actual				11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	196.092 µeq/L	Detected and Quantified	F	Actual				11/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	32.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	141.61533 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	114.90144 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	67.93333 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	8.50608 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	207.052 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/5/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	70.46221 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	30.94069 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_AUTO	332.96268 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_AUTO	297.5354 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_AUTO	0.8936	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 10/25/2005 8:00 AM
Visit Comment: // //

Activity: 051025080001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.12	Detected and Quantified	F	Actual				11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	183.59335 µeq/L	Detected and Quantified	F	Actual				11/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	32.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	141.40283 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	114.01747 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	67.21077 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	8.8787 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	189.19 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/5/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_AutoStream	73.273 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/8/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_AutoStream	30.64926 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/8/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_AUTO	331.51627 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_AUTO	287.55611 µeq/L	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_AUTO	0.8674	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 10/25/2005 10:00 AM
Visit Comment: // //

Activity: 051025100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.14	Detected and Quantified	F	Actual				11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	186.09308 µeq/L	Detected and Quantified	F	Actual				11/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	33.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	147.20741 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	119.6246 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	67.77017 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	8.87631 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_AutoStream	191.531 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/5/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	4.66655 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	0.54248 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	75.58908 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	30.85819 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	348.14504 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	293.08283 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.84184	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 10/25/2005 2:00 PM
Visit Comment: // //

Activity: 051025140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.2	Detected and Quantified	F	Actual				11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	196.092 µeq/L	Detected and Quantified	F	Actual				11/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	35.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	154.83006 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_AutoStream	125.75177 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	71.47031 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	7.93232 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	201.375 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/5/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	4.07244 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	2.69414 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	81.24374 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	31.94142 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	364.0569 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	311.9713 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.85693	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 10/25/2005 4:00 PM
Visit Comment: // //

Activity: 051025160001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.21	Detected and Quantified	F	Actual				11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_AutoStream	196.092 µeq/L	Detected and Quantified	F	Actual			11/21/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	35.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	11/3/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_AutoStream	156.89314 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	127.09225 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	71.67357 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	7.72804 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	202.52 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/5/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	3.96229 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	4.41136 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	82.22254 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	31.70629 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	367.34929 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	314.43219 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.85595	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 10/25/2005 8:00 PM
Visit Comment: // //

Activity: 051025200001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.21	Detected and Quantified	F	Actual				11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	197.85492 µeq/L	Detected and Quantified	F	Actual				11/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	36 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	156.85722 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	128.51859 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	71.73994 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	7.70289 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	202.869 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/5/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	6.28453 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	0.46414 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	83.53111 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	30.92979 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_AUTO	371.10317 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_AUTO	312.77996 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_AUTO	0.84284	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 10/26/2005 12:00 AM
Visit Comment: // //

Activity: 051026000001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.19	Detected and Quantified	F	Actual				11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	196.092 µeq/L	Detected and Quantified	F	Actual				11/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	35.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	149.48188 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	127.9185 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	74.05852 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	7.46457 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	201.823 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	0.73723 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_AutoStream	84.36395 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	30.88018 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	358.92997 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	312.07336 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.86945	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 10/26/2005 6:00 AM
Visit Comment: // //

Activity: 051026060001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.22	Detected and Quantified	F	Actual				11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	201.09146 µeq/L	Detected and Quantified	F	Actual				11/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	35.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	148.92127 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	125.15612 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	74.68587 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	6.49704 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_AutoStream	204.827 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	0.6832 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	85.39894 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	30.76972 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	355.2668 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	317.94332 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.89494	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 10/26/2005 12:00 PM
Visit Comment: // //

Activity: 051026120001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.23	Detected and Quantified	F	Actual				11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	198.59173 µeq/L	Detected and Quantified	F	Actual				11/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	35.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	144.89795 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_AutoStream	121.15727 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	74.12189 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	6.07003 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	205.276 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	2.16614 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	85.16751 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	30.57727 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	346.25364 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	316.50265 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.91408	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 10/26/2005 2:00 PM
Visit Comment: // //

Activity: 051026140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.23	Detected and Quantified	F	Actual				11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_AutoStream	194.19967 µeq/L	Detected and Quantified	F	Actual			11/28/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	34.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	11/3/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_AutoStream	145.35418 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	118.35191 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	74.07074 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	6.08853 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	202.918 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	4.32794 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	85.14962 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	30.36349 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	343.87186 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	314.04072 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.91325	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

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Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 10/26/2005 4:00 PM
Visit Comment: // //

Activity: 051026160001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.22	Detected and Quantified	F	Actual				11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	196.092 µeq/L	Detected and Quantified	F	Actual				11/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	34.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	144.93565 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	119.80486 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	74.30795 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	6.39218 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	204.562 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	84.93765 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	30.97602 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_AUTO	345.44714 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_AUTO	312.04617 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_AUTO	0.90331	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 10/27/2005 12:00 AM
Visit Comment: // //

Activity: 051027000001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.23	Detected and Quantified	F	Actual				11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	187.85593 µeq/L	Detected and Quantified	F	Actual				11/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	34.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	138.10087 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	118.32382 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	71.21439 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	5.43227 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	198.204 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	1.7068 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_AutoStream	81.91426 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	29.43176 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	333.07785 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	300.90875 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.90342	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 10/31/2005 11:50 AM
Visit Comment: FAD // we have solar // clear, warm some rain one week ago

Activity: 051031115001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.02	Detected and Quantified	F	Actual				11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	183.59335 µeq/L	Detected and Quantified	F	Actual				11/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	30.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	128.05102 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	109.01601 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	69.25685 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	5.22937 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	189.904 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	73.47593 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	27.54885 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	311.55975 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	284.65863 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.91366	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05103111500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10 °C	Detected and Quantified	F	Actual				10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0510311150S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Present <QL	*Present <QL	F	Actual	0.172339614 mg/l	0.548039971 mg/l		1/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.45.												
Non-filterable Residue	0.85 mg/l	Detected and Quantified	F	Actual	0.179602815 mg/l	0.571136951 mg/l		1/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

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Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 11/7/2005 11:40 AM
Visit Comment: FAD // // warm dry

Activity: 051107114001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.26	Detected and Quantified	F	Actual				11/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	229.66572 µeq/L	Detected and Quantified	F	Actual				12/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	33.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/11/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	144.15832 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	121.31056 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	75.40419 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	7.1768 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	203.865 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	66.83904 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	28.90958 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	348.05637 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC2_GRAB	325.45484 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.93506	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05110711400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11 °C	Detected and Quantified	F	Actual				11/7/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 11/14/2005 11:25 AM
Visit Comment: FAD // // cloudy, balmy dry, sun

Activity: 051114112501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.25	Detected and Quantified	F	Actual				11/18/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	229.19564 µeq/L	Detected and Quantified	F	Actual				12/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	33.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/18/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	138.24627 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	110.40087 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	76.31008 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_Grab	6.10776 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	206.355 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	0.68777 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	64.5107 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	30.20788 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	331.07148 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	324.60199 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.98046	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05111411250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10.5 °C	Detected and Quantified	F	Actual				11/14/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 11/21/2005 11:15 AM
Visit Comment: FAD // // cloudy, rain cool, some rain

Activity: 051121111501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.22	Detected and Quantified	F	Actual				11/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	223.58905 µeq/L	Detected and Quantified	F	Actual				12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	32.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/28/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	136.99408 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	104.27076 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	75.18984 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	5.11036 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	197.225 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	62.50004 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	30.71569 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	321.57154 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	316.84528 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.9853	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05112111150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8 °C	Detected and Quantified	F	Actual				11/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 11/22/2005 2:00 AM
Visit Comment: // //

Activity: 051122020001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.95	Detected and Quantified	F	Actual				11/30/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	211.03605 µeq/L	Detected and Quantified	F	Actual				12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	33.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/30/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	137.26815 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	116.79296 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	72.49829 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	14.54136 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_AutoStream	217.892 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	0.92789 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	65.29318 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	35.0755 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	341.10726 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	312.33262 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.91564	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 11/22/2005 4:00 AM
Visit Comment: // //

Activity: 051122040001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.07	Detected and Quantified	F	Actual				11/30/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	197.91566 µeq/L	Detected and Quantified	F	Actual				12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	34.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/30/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	144.67604 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_AutoStream	121.09912 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	70.40364 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	13.30972 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	192.892 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	5.55585 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	0.71713 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	69.9219 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	35.30953 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	355.04437 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	303.86422 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.85585	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 11/22/2005 6:00 AM
Visit Comment: // //

Activity: 051122060001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.09	Detected and Quantified	F	Actual				11/30/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_AutoStream	193.59227 µeq/L	Detected and Quantified	F	Actual			12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	35.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	11/30/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_AutoStream	149.24176 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	122.52948 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	71.26376 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	11.88234 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	189.721 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	6.87095 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	0.73313 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	76.36866 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	37.05308 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	361.78829 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	307.74714 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.85063	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 11/22/2005 10:00 AM
Visit Comment: // //

Activity: 051122100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.15	Detected and Quantified	F	Actual				11/30/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	195.35517 µeq/L	Detected and Quantified	F	Actual				12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	36.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/30/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	152.79165 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	129.8378 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	72.41534 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	9.25679 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	191.713 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	5.60946 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	1.3151 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	81.38492 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	34.77134 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_AUTO	369.91104 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_AUTO	312.82653 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_AUTO	0.84568	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 11/28/2005 10:55 AM
Visit Comment: FAD // // Rainy, cold some rain

Activity: 051128105501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.1	Detected and Quantified	F	Actual				11/30/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	190.41652 µeq/L	Detected and Quantified	F	Actual				1/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	31.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/30/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	129.85164 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	102.59145 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	70.87376 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	5.6676 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	180.259 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	0.69158 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	70.87582 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	30.4801 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	308.99095 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	292.46402 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.94651	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05112810550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6.5 °C	Detected and Quantified	F	Actual				11/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 11/28/2005 10:00 PM
Visit Comment: // //

Activity: 051128220001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.08	Detected and Quantified	F	Actual				12/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	179.20141 µeq/L	Detected and Quantified	F	Actual				1/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	33.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		12/10/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	132.44087 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_AutoStream	109.20511 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	69.27664 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	7.62105 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	188.593 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	0.73726 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	0.75345 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	75.3442 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	34.18916 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	319.28093 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	289.48822 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.90669	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 11/29/2005 12:00 AM
Visit Comment: // //

Activity: 051129000001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.07	Detected and Quantified	F	Actual				12/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_AutoStream *Dilution:* N	174.20199 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			1/9/2006
Cond_VWR_Manual_AutoStream *Dilution:* N	33.9 µS/cm *Recovery:* N	Detected and Quantified *Correction:* Y	F	Actual	0.162 uS/cm	0.515 uS/cm	12/10/2005
Ca_Ions_AutoStream *Dilution:* N	135.18863 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.468 ueq/L	1.488 ueq/L	6/25/2007
Mg_Ions_AutoStream *Dilution:* N	111.29646 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.218 ueq/L	0.694 ueq/L	6/25/2007
Na_Ions_AutoStream *Dilution:* N	70.82893 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.029 ueq/L	0.091 ueq/L	6/25/2007
K_Ions_AutoStream *Dilution:* N	7.88574 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.029 ueq/L	0.092 ueq/L	6/25/2007
SiO2_TC_AutoStream *Dilution:* N	185.306 µmol/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
NH4_Ions_AutoStream *Dilution:* N	1.42069 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.013 ueq/L	0.04 ueq/L	6/25/2007
NO3_Ions_AutoStream *Dilution:* N	0.75195 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.081 ueq/L	0.258 ueq/L	6/25/2007
SO4_Ions_AutoStream *Dilution:* N	77.67478 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.31 ueq/L	0.986 ueq/L	6/25/2007
Cl_Ions_AutoStream *Dilution:* N	37.05258 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.076 ueq/L	0.242 ueq/L	6/25/2007
SBC_IC2_AUTO *Dilution:* N	326.62045 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/6/2008
SAA_2PT_IC2_AUTO *Dilution:* N	289.6813 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/18/2008
IONRATIO_2PT_IC2_AUTO *Dilution:* N	0.8869 *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/18/2008

NPSTORET Results with Comments

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Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 11/29/2005 2:00 AM
Visit Comment: // //

Activity: 051129020001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.1	Detected and Quantified	F	Actual				12/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	173.59443 µeq/L	Detected and Quantified	F	Actual				1/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	34.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		12/10/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	136.20373 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	111.68553 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	71.0036 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	8.33295 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	182.401 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	0.32147 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	0.74165 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		6/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	77.71269 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	38.82498 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_AUTO	327.54728 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_AUTO	290.87375 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_AUTO	0.88804	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 11/29/2005 4:00 AM
Visit Comment: // //

Activity: 051129040001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.01	Detected and Quantified	F	Actual				12/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	178.59389 µeq/L	Detected and Quantified	F	Actual				1/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	34.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		12/10/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	136.3998 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	111.42665 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	70.07464 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	10.93193 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	187.016 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	3.55139 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	1.414 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		6/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_AutoStream	79.64452 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	40.72266 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	332.38441 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	300.37507 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.9037	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 11/29/2005 6:00 AM
Visit Comment: // //

Activity: 051129060001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.51	Detected and Quantified	F	Actual				1/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	176.09416 µeq/L	Detected and Quantified	F	Actual				1/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	36 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/4/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	141.69635 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	115.59757 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	70.98511 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	12.92652 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_AutoStream	189.605 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	4.65606 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	2.73464 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	85.78383 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	44.44979 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	345.86161 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	309.06242 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.8936	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 11/29/2005 8:00 AM
Visit Comment: // //

Activity: 051129080001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.78	Detected and Quantified	F	Actual				1/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	171.0947 µeq/L	Detected and Quantified	F	Actual				1/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	36.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/4/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	145.88488 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_AutoStream	118.73506 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	70.82107 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	13.19696 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	182.7 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	6.22061 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	6.06897 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	89.91431 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	48.31897 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	354.85858 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	315.39695 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.8888	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 11/29/2005 10:00 AM
Visit Comment: // //

Activity: 051129100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.64	Detected and Quantified	F	Actual				1/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_AutoStream	165.35821 µeq/L	Detected and Quantified	F	Actual			1/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	37.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	1/4/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_AutoStream	147.65515 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	117.74257 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	68.1727 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	15.37162 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	181.554 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	3.24128 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	6.31211 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	93.14106 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	53.2984 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	352.18332 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	318.10978 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.90325	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

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Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 11/29/2005 2:00 PM
Visit Comment: // //

Activity: 051129140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.51	Detected and Quantified	F	Actual				1/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	148.59716 µeq/L	Detected and Quantified	F	Actual				1/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	35.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/4/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	145.53437 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	116.21427 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	61.27451 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	15.41457 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	166.266 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	6.87956 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	6.61755 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	96.65447 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	50.74062 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_AUTO	345.31728 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_AUTO	302.6098 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_AUTO	0.87632	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 11/29/2005 4:00 PM
Visit Comment: // //

Activity: 051129160001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.58	Detected and Quantified	F	Actual				1/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	143.59771 µeq/L	Detected and Quantified	F	Actual				1/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	35.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/4/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	140.66401 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	112.09248 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	58.49956 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	15.81268 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	164.738 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	8.49308 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	5.05166 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_AutoStream	97.59034 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	48.70108 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	335.56181 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	294.94079 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.87895	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 11/29/2005 6:00 PM
Visit Comment: // //

Activity: 051129180001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.45	Detected and Quantified	F	Actual				1/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	138.59826 µeq/L	Detected and Quantified	F	Actual				1/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	34.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/4/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	141.46214 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	110.66161 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	56.39564 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	15.71816 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_AutoStream	155.592 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	2.28796 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	9.36596 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	97.9161 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	45.70482 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	326.52551 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	291.58514 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.89299	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 11/29/2005 8:00 PM
Visit Comment: // //

Activity: 051129200001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.38	Detected and Quantified	F	Actual				1/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	140.42228 µeq/L	Detected and Quantified	F	Actual				1/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	34.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/4/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	140.60694 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_AutoStream	105.27258 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	53.02835 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	16.96144 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	178.135 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	1.60828 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	9.24628 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	97.83483 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	42.31038 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	317.47759 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	289.81377 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.91286	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 11/30/2005 8:00 AM
Visit Comment: // //

Activity: 051130080001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.73	Detected and Quantified	F	Actual				1/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_AutoStream	125.36231 µeq/L	Detected and Quantified	F	Actual			1/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	31.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	1/4/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_AutoStream	129.27892 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	103.69469 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	56.67079 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	10.33235 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	159.808 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	2.42391 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	98.04158 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	35.32979 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	302.40066 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	258.77418 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.85573	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 11/30/2005 2:00 PM
Visit Comment: // //

Activity: 051130140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.81	Detected and Quantified	F	Actual				1/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	125.36231 µeq/L	Detected and Quantified	F	Actual				1/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	31.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/4/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	126.61265 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	101.91195 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	58.00647 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	9.44458 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	166.681 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	6.35264 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	0.7216 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	94.72935 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	33.57524 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_AUTO	302.32829 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_AUTO	254.3885 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_AUTO	0.84143	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PINE **Visit Date:** 12/7/2005 11:05 AM

Visit Comment: FAD // // Cold, partly sunny Snow 12/5, large precip. event last week

Activity: 051207110501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.11	Detected and Quantified	F	Actual				12/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	158.65453 µeq/L	Detected and Quantified	F	Actual				1/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	30.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		12/10/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	122.83272 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	102.59323 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	64.62903 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	5.52076 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	185.82 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	12.00889 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	70.9845 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	29.58389 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	295.58224 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	271.23181 µeq/L	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.91762	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 05120711050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	3.5 °C	Detected and Quantified	F	Actual				12/7/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 12/14/2005 10:05 AM
Visit Comment: CHRIS MOORE, ALLEN SMITH // // Cold, clear Cold, snow

Activity: 051214100501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.73	Detected and Quantified	F	Actual				1/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	157.85897 µeq/L	Detected and Quantified	F	Actual				1/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	30.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/4/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	121.59098 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_Grab	102.84142 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	64.8472 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	4.85236 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	186.219 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	66.45441 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	29.5761 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	294.13846 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	253.92998 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.8633	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05121410050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	2 °C	Detected and Quantified	F	Actual				12/14/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 12/22/2005 11:20 AM
Visit Comment: CHRIS MOORE // // Clear, cold, icy Clear, cold, icy

Activity: 051222112001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.82	Detected and Quantified	F	Actual				1/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	164.20316 µeq/L	Detected and Quantified	F	Actual				1/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	30.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/4/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	123.81567 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	104.79327 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	67.67791 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	4.77315 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	186.235 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	70.52695 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	30.0762 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	301.0665 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	264.84681 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.8797	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05122211200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	1.5 °C	Detected and Quantified	F	Actual				12/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 12/29/2005 10:50 AM
Visit Comment: CHRIS MOORE // // Cloudy, rain, warm Clear, warm

Activity: 051229105001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.07	Detected and Quantified	F	Actual				1/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	175.35719 µeq/L	Detected and Quantified	F	Actual				1/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	32.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/5/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	130.12519 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	109.14795 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	71.48274 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	5.07762 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	189.854 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	75.71063 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	29.33092 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	315.84 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	280.43924 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.88792	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05122910500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	5 °C	Detected and Quantified	F	Actual				12/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 1/4/2006 10:25 AM
Visit Comment: CHRIS MOORE // // Fog, cloudy, warm Light rain, warm

Activity: 060104102501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.13	Detected and Quantified	F	Actual				1/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	174.50322 µeq/L	Detected and Quantified	F	Actual			1/11/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	31.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	1/5/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	126.08968 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	105.79 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	70.43715 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	4.88542 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	188.858 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	73.15795 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	28.88768 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	307.20875 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	276.58935 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.90033	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06010410250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	5 °C	Detected and Quantified	F	Actual				1/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 1/11/2006 1:00 PM
Visit Comment: CHRIS MOORE // // Rain, cool Cloudy, warm

Activity: 060111130001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.17	Detected and Quantified	F	Actual				1/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	174.50322 µeq/L	Detected and Quantified	F	Actual				2/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	30.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/13/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	122.4902 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	102.39408 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	69.80603 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	5.80742 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	173.536 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	0.30308 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_Grab	67.58502 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	28.4197 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	300.80081 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	270.54844 µeq/L	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.89943	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06011113000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	5 °C	Detected and Quantified	F	Actual				1/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PINE **Visit Date:** 1/16/2006 10:55 AM

Visit Comment: FAD // // Clear, cool wind, rain

Activity: 060116105501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.1	Detected and Quantified	F	Actual				1/22/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	171.15334 µeq/L	Detected and Quantified	F	Actual				2/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	31.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/22/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	127.10816 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	107.57814 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	70.90155 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	5.0045 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	182.069 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	75.37594 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	29.24494 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	310.59885 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	275.81472 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.88801	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06011610550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	3 °C	Detected and Quantified	F	Actual				1/16/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 1/18/2006 6:00 AM
Visit Comment: // //

Activity: 060118060001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.45	Detected and Quantified	F	Actual				2/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	202.98028 µeq/L	Detected and Quantified	F	Actual				2/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	34.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/1/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	99.92996 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	70.67972 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	71.30351 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	8.56804 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	357.066 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	144.53169 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		12/13/2007				
Dilution: Y	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	6.78881 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	83.18012 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	36.65422 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_AUTO	395.01292 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_AUTO	329.60343 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_AUTO	0.83441	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 1/18/2006 8:00 AM
Visit Comment: // //

Activity: 060118080001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.88	Detected and Quantified	F	Actual				2/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	156.70404 µeq/L	Detected and Quantified	F	Actual				2/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	31.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/1/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	117.61927 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	95.72023 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	69.36715 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	6.50191 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	199.864 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	11.29427 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	4.95482 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_AutoStream	75.23151 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_AutoStream	32.61479 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_AUTO	300.50283 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_AUTO	269.50516 µeq/L	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_AUTO	0.89685	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 1/18/2006 10:00 AM
Visit Comment: // //

Activity: 060118100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.96	Detected and Quantified	F	Actual				2/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	159.20375 µeq/L	Detected and Quantified	F	Actual				2/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	31.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/1/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	124.00607 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	101.18023 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	69.03215 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	6.01055 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_AutoStream	207.832 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	4.73403 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	3.82974 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	76.94052 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	32.1934 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	304.96303 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	272.16741 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.89246	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 1/18/2006 12:00 PM
Visit Comment: // //

Activity: 060118120001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7	Detected and Quantified	F	Actual				2/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	148.54374 µeq/L	Detected and Quantified	F	Actual				2/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	32.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/1/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	124.15494 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_AutoStream	102.7274 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	68.51216 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	6.0303 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	189.555 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	5.73949 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	5.11053 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	79.19089 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	31.95931 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	307.16429 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	264.80447 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.86209	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 1/18/2006 2:00 PM
Visit Comment: // //

Activity: 060118140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.03	Detected and Quantified	F	Actual				2/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_AutoStream	149.20492 µeq/L	Detected and Quantified	F	Actual			2/13/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	32.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	2/1/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_AutoStream	129.37165 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	107.44619 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	69.17164 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	5.78985 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	189.904 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	4.94183 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	3.04707 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	81.65284 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	32.21389 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	316.72116 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	266.11872 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.84023	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 1/18/2006 6:00 PM
Visit Comment: // //

Activity: 060118180001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.02	Detected and Quantified	F	Actual				2/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	162.85846 µeq/L	Detected and Quantified	F	Actual				2/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	33.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/1/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	130.61632 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	109.16045 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	68.66261 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	5.65535 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	188.36 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	1.23506 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	0.70242 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	84.23668 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	31.56561 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_AUTO	315.32979 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_AUTO	279.36317 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_AUTO	0.88594	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 1/19/2006 12:00 AM
Visit Comment: // //

Activity: 060119000001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.14	Detected and Quantified	F	Actual				2/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	153.59661 µeq/L	Detected and Quantified	F	Actual				2/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	33 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	130.53413 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	109.86341 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	68.22682 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	5.28317 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	187.48 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	2.45503 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	0.71278 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_AutoStream	84.15184 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	31.3211 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	316.36256 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	269.78233 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.85276	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 1/19/2006 10:00 AM
Visit Comment: // //

Activity: 060119100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.11	Detected and Quantified	F	Actual				2/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	155.35923 µeq/L	Detected and Quantified	F	Actual				2/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	32.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	131.02669 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	110.15397 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	69.14143 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	5.08629 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_AutoStream	188.593 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	1.92179 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	84.65947 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	31.07088 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	317.33017 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	271.13008 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.85441	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 1/23/2006 11:10 AM
Visit Comment: FAD // // Cold, rainy warm, rain

Activity: 060123111001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.02	Detected and Quantified	F	Actual				2/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	161.88551 µeq/L	Detected and Quantified	F	Actual				2/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	31.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	125.75468 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_Grab	105.21334 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	70.35406 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	5.12415 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	184.36 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	73.90085 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	29.204 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	306.45273 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	265.03086 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.86483	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06012311100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4.5 °C	Detected and Quantified	F	Actual				1/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 1/30/2006 11:15 AM
Visit Comment: FAD // // clear, warm some rainy days

Activity: 060130111501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.14	Detected and Quantified	F	Actual				2/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	171.0947 µeq/L	Detected and Quantified	F	Actual				2/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	31 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	124.99816 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	105.26447 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	72.12489 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	5.06113 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	187.281 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	1.30091 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	69.15662 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	29.58236 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	307.45515 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	271.13459 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.88187	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06013011150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	5 °C	Detected and Quantified	F	Actual				1/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0601301115S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Present <QL	*Present <QL	F	Actual	0.172339614 mg/l	0.548039971 mg/l		3/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.2.												
Non-filterable Residue	*Present <QL	*Present <QL	F	Actual	0.179602815 mg/l	0.571136951 mg/l		3/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.55.												

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 2/7/2006 2:10 PM
Visit Comment: FAD // // Clear, cold, windy Some rain

Activity: 060207141001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.19	Detected and Quantified	F	Actual				2/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	173.59443 µeq/L	Detected and Quantified	F	Actual			2/17/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	32.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	2/8/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	127.76194 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	107.86879 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	71.99939 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	5.26102 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	192.992 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	7.14498 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	77.43147 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	29.12864 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	312.89764 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	287.29952 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.91819	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06020714100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	5 °C	Detected and Quantified	F	Actual				2/7/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 2/13/2006 12:50 PM
Visit Comment: FAD // // clear, Cold Cold, significant snow (4-10" from south to north)

Activity: 060213125001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.18	Detected and Quantified	F	Actual				2/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	166.70287 µeq/L	Detected and Quantified	F	Actual				2/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	31.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/15/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	123.68338 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	104.93479 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	70.87373 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	4.70106 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	188.443 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/29/2007			
Dilution: N	*Recovery:* N	*Correction:* N									
SO4_Ions_Grab	68.36589 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/29/2007			
Dilution: N	*Recovery:* N	*Correction:* N									
Cl_Ions_Grab	29.11693 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/29/2007			
Dilution: N	*Recovery:* N	*Correction:* N									
SBC_IC2_GRAB	304.19946 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_2PT_IC2_GRAB	264.22619 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_GRAB	0.8686	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Activity: 06021312500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	3 °C	Detected and Quantified	F	Actual				2/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 2/20/2006 12:45 PM
Visit Comment: FAD // // clear, cold cold

Activity: 060220124501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.15	Detected and Quantified	F	Actual				2/21/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	163.59552 µeq/L	Detected and Quantified	F	Actual				2/21/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	31.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/21/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	122.94699 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	104.90377 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	70.60035 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	4.67563 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	185.057 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	14.861 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	72.9524 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	28.90498 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	303.13324 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	280.3139 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.92472	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06022012450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	3 °C	Detected and Quantified	F	Actual				2/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 2/27/2006 12:40 PM
Visit Comment: SUSIE MABEN // // Partly cloudy, cold Clouds & sun, some precip.

Activity: 060227124001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.16	Detected and Quantified	F	Actual				3/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	170.3577 µeq/L	Detected and Quantified	F	Actual				3/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	30.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/1/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	122.61565 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	104.18992 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	71.46289 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	4.51669 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	189.223 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	6.79197 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	66.95084 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	29.55597 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	302.79165 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	273.65648 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.90378	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06022712400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	2.8 °C	Detected and Quantified	F	Actual				2/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 3/6/2006 1:40 PM
Visit Comment: SUSIE MABEN // // Cloudy, light snow Mostly sunny, cool

Activity: 060306134001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.17	Detected and Quantified	F	Actual				3/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	177.85694 µeq/L	Detected and Quantified	F	Actual				3/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	31.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/8/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	123.64713 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	104.82243 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	74.03387 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	4.6899 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	192.261 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	8.72458 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	64.61972 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	30.34984 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	307.19983 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	281.55108 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.91651	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06030613400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4 °C	Detected and Quantified	F	Actual				3/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 3/13/2006 12:35 PM
Visit Comment: FAD // // clear, warm. Dry.

Activity: 060313123501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.26	Detected and Quantified	F	Actual				3/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	198.59173 µeq/L	Detected and Quantified	F	Actual			3/15/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	32.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	3/15/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	124.58882 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	103.84322 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	79.14321 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	5.70003 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	207.417 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	60.43506 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	29.78193 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	313.28178 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	288.84922 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.92201	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06031312350F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11 °C	Detected and Quantified	F	Actual				3/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 3/20/2006 12:00 PM
Visit Comment: SUSIE MABEN // // Cool, overcast Dry, cool

Activity: 060320120001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.25	Detected and Quantified	F	Actual				3/22/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	200.41537 µeq/L	Detected and Quantified	F	Actual				3/22/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	32.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/22/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	128.07477 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	107.54651 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	79.27094 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	5.44809 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	206.122 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/10/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_Grab	60.22422 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/10/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	30.43393 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/10/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	320.34681 µeq/L	Detected and Quantified	F	Actual			2/6/2008	
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	291.11402 µeq/L	Detected and Quantified	F	Actual			2/18/2008	
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.90875	Detected and Quantified	F	Actual			2/18/2008	
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06032012000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6.8 °C	Detected and Quantified	F	Actual				3/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 3/27/2006 3:05 PM
Visit Comment: FAD // // clear, 60 Cold, mostly dry

Activity: 060327150501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.21	Detected and Quantified	F	Actual				3/29/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	203.65028 µeq/L	Detected and Quantified	F	Actual				3/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	32.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/29/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	127.11533 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	105.37177 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	79.15882 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	5.51972 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	204.861 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	0.7074 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	58.4071 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	30.04308 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	317.17214 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	292.80786 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.92318	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06032715050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8 °C	Detected and Quantified	F	Actual				3/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 4/3/2006 12:15 PM
Visit Comment: SUSIE MABEN // // Warm, sun & clouds, a few sprinkles Warm, mostly dry

Activity: 060403121501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.26	Detected and Quantified	F	Actual				4/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	224.37919 µeq/L	Detected and Quantified	F	Actual				4/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	33.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/5/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	133.68116 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	110.42381 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	83.48812 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	5.99219 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	218.39 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	0.71069 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	57.9186 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	30.36054 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	333.59178 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	313.36902 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.93938	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06040312150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10.9 °C	Detected and Quantified	F	Actual				4/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 4/10/2006 12:45 PM
Visit Comment: FAD // card copy failed. card full? // clear, cool some rain

Activity: 060410124501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.2	Detected and Quantified	F	Actual				4/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	220.35267 µeq/L	Detected and Quantified	F	Actual				4/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	34 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/12/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	138.04201 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	113.8747 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	84.38507 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	6.20124 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	215.601 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	62.13343 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	29.93205 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	342.50952 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	312.45865 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.91226	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06041012450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11 °C	Detected and Quantified	F	Actual				4/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 4/17/2006 12:00 PM
Visit Comment: // //

Activity: 060417120001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.98	Detected and Quantified	F	Actual				4/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_AutoStream	209.0204 µeq/L	Detected and Quantified	F	Actual			4/24/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	35.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	4/24/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_AutoStream	135.45514 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	111.73813 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	82.08972 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	6.89159 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	389.37 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	4.13883 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	0.87157 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	66.64818 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	29.87715 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	340.31341 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	306.4173 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.9004	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 4/17/2006 2:00 PM
Visit Comment: // //

Activity: 060417140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.12	Detected and Quantified	F	Actual				4/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	209.19794 µeq/L	Detected and Quantified	F	Actual				4/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	36 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/24/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	147.78105 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	120.91006 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	80.97574 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	7.6753 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	234.409 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	5.70129 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	0.52153 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	73.21155 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	28.50756 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_AUTO	363.04344 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_AUTO	311.43858 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_AUTO	0.85785	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PINE **Visit Date:** 4/18/2006 12:20 PM

Visit Comment: SUSIE MABEN // // Sunny, mild Mild, some thunderstorms and rain

Activity: 060418122001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.94	Detected and Quantified	F	Actual				4/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	207.91452 µeq/L	Detected and Quantified	F	Actual				4/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	36.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/24/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	148.42516 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	123.33673 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	80.17477 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	6.58972 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	207.616 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	83.24199 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	28.09275 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	358.53288 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	319.28976 µeq/L	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.89055	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06041812200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12.2 °C	Detected and Quantified	F	Actual				4/18/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 4/22/2006 12:00 PM
Visit Comment: // //

Activity: 060422120001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.11	Detected and Quantified	F	Actual				5/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	214.01974 µeq/L	Detected and Quantified	F	Actual				5/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	35 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	147.08261 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_AutoStream	118.69498 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	77.49118 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	7.83534 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	235.454 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	4.22727 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	0.95854 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	73.08937 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	26.88757 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	355.33138 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	314.95522 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.88637	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PINE **Visit Date:** 4/24/2006 12:40 PM

Visit Comment: FAD // clock face loose // clear, cool Mild, some thunderstorms and rain

Activity: 060424124001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.2	Detected and Quantified	F	Actual				4/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	200.4806 µeq/L	Detected and Quantified	F	Actual			5/8/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	35.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	4/26/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	146.4413 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	120.61768 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	78.90164 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	6.3121 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	210.007 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	82.25761 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	27.85219 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	352.27922 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	310.6309 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.88177	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06042412400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	13 °C	Detected and Quantified	F	Actual				4/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0604241240S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	0.7 mg/l	Detected and Quantified	F	Actual	0.172339614 mg/l	0.548039971 mg/l		7/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Non-filterable Residue	2.15 mg/l	Detected and Quantified	F	Actual	0.179602815 mg/l	0.571136951 mg/l		7/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 5/1/2006 1:05 PM
Visit Comment: FAD // // clear, Cool. nice

Activity: 060501130501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.26	Detected and Quantified	F	Actual				5/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	216.69707 µeq/L	Detected and Quantified	F	Actual				5/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	34.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	140.07923 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_Grab	115.05159 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	79.51657 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	6.00466 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	212.098 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	0.68539 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	65.70246 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	27.77596 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	340.65855 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	310.86088 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.91253	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06050113050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12 °C	Detected and Quantified	F	Actual				5/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 5/8/2006 12:35 PM
Visit Comment: FAD // // cloudy, cold. some rain

Activity: 060508123501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.28	Detected and Quantified	F	Actual				5/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	245.41029 µeq/L	Detected and Quantified	F	Actual				5/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	36.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/11/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	153.57345 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	125.31348 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	84.53415 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	6.26394 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	223.17 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	61.25223 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	27.18997 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	369.69152 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	333.89299 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.90317	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06050812350F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11 °C	Detected and Quantified	F	Actual				5/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 5/15/2006 8:00 AM
Visit Comment: // //

Activity: 060515080001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.14	Detected and Quantified	F	Actual				5/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	231.08825 µeq/L	Detected and Quantified	F	Actual				5/18/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	36.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/17/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	138.17071 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	113.87011 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	79.38284 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	6.5553 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_AutoStream	313.84 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	3.09851 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	0.58537 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	69.28038 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	25.8489 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	341.07747 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	326.8029 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.95815	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 5/15/2006 10:00 AM
Visit Comment: // //

Activity: 060515100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.28	Detected and Quantified	F	Actual				5/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	225.35217 µeq/L	Detected and Quantified	F	Actual				5/18/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	36.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/17/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	149.25535 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_AutoStream	122.00696 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	78.56678 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	6.74153 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	221.693 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	1.96711 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	0.567 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	70.81183 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	25.35536 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	358.53773 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	322.08636 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.89833	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PINE **Visit Date:** 5/15/2006 1:00 PM

Visit Comment: FAD, CWM // // cloudy, warm scattered t-storms, warm

Activity: 060515130001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.23	Detected and Quantified	F	Actual				5/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	226.69593 µeq/L	Detected and Quantified	F	Actual			5/18/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	36 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	5/17/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	152.17762 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	123.29831 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	78.34668 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	6.65497 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	215.169 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	1.41288 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	2.15479 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	73.77148 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	24.15379 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	361.89046 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	326.77599 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.90297	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06051513000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12 °C	Detected and Quantified	F	Actual				5/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 5/15/2006 6:00 PM
Visit Comment: // //

Activity: 060515180001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.4	Detected and Quantified	F	Actual				5/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	231.69536 µeq/L	Detected and Quantified	F	Actual				6/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	36.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/25/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	151.29613 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	124.30174 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	79.12665 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	6.40166 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	215.335 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	1.8785 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_AutoStream	3.68985 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	75.7995 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	26.20511 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	363.00468 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	337.38982 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.92944	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 5/15/2006 8:00 PM
Visit Comment: // //

Activity: 060515200001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.41	Detected and Quantified	F	Actual				5/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	231.51747 µeq/L	Detected and Quantified	F	Actual				6/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	37.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/25/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	150.96703 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	124.14887 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	78.8093 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_AutoStream	6.41571 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	215.319 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	0.85512 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	75.42212 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	25.95617 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	361.19603 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	332.93626 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.92176	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PINE **Visit Date:** 5/24/2006 9:25 AM

Visit Comment: CHRIS MOORE // // Clear, cool Clear, dry, cool

Activity: 060524092501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.3	Detected and Quantified	F	Actual				5/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	232.15876 µeq/L	Detected and Quantified	F	Actual				6/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	35 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/25/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	142.8096 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	118.54031 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	79.64774 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	5.38058 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	214.588 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	62.83364 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	26.62336 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	346.38473 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	321.65626 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.92861	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06052409250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10.5 °C	Detected and Quantified	F	Actual				5/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 5/31/2006 8:35 AM
Visit Comment: CHRIS MOORE // // Hot, humid Cool, dry

Activity: 060531083501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.3	Detected and Quantified	F	Actual				6/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	276.69026 µeq/L	Detected and Quantified	F	Actual				6/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	37.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		6/1/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	161.1826 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	131.04144 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	88.11663 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	6.48484 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	234.624 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	57.53227 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	26.93993 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	386.83201 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	361.20296 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.93375	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06053108350F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	15 °C	Detected and Quantified	F	Actual				5/31/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 6/6/2006 11:20 AM
Visit Comment: SUSIE MABEN // // Mostly sunny, warm Warm, scattered thunderstorms

Activity: 060606112001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.26	Detected and Quantified	F	Actual				6/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	278.58325 µeq/L	Detected and Quantified	F	Actual				6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	37.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		6/8/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	159.19346 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	130.0679 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	88.92555 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	6.65174 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	238.808 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	55.93281 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	26.34104 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	384.84515 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	360.8976 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.93777	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06060611200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	15 °C	Detected and Quantified	F	Actual				6/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 6/13/2006 1:40 PM
Visit Comment: CHRIS MOORE // // Clear, cool to warm Cool, scattered T-storms

Activity: 060613134001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.77	Detected and Quantified	F	Actual				6/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	296.02589 µeq/L	Detected and Quantified	F	Actual			6/29/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	38.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	6/27/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	161.72743 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	131.38861 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	91.07321 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	6.94414 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	238.293 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	52.77202 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	26.27765 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	391.13989 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	375.11606 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.95903	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06061313400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	15 °C	Detected and Quantified	F	Actual				6/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 6/20/2006 12:00 PM
Visit Comment: CHRIS MOORE // // Warm to hot, clear to hazy Hot, clear

Activity: 060620120001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.76	Detected and Quantified	F	Actual				6/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	312.84361 µeq/L	Detected and Quantified	F	Actual				6/29/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	40 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		6/27/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	168.87507 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	136.13416 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	95.58351 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/19/2007				
Dilution: Y	*Recovery:* N	*Correction:* N										
K_Ions_Grab	7.13336 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	251.291 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/17/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_Grab	51.2301 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/17/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	26.3664 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/17/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	407.7326 µeq/L	Detected and Quantified	F	Actual			2/6/2008	
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	390.48061 µeq/L	Detected and Quantified	F	Actual			2/18/2008	
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.95769	Detected and Quantified	F	Actual			2/18/2008	
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06062012000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	17.5 °C	Detected and Quantified	F	Actual				6/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PINE **Visit Date:** 6/25/2006 8:00 PM

Visit Comment: // //

Activity: 060625200001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.68	Detected and Quantified	F	Actual				7/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	234.01715 µeq/L	Detected and Quantified	F	Actual				7/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	32.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_AutoStream *Dilution:* N	139.09824 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.468 ueq/L	1.488 ueq/L	7/17/2007
Mg_Ions_AutoStream *Dilution:* N	103.80274 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.218 ueq/L	0.694 ueq/L	7/17/2007
Na_Ions_AutoStream *Dilution:* N	74.6746 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.029 ueq/L	0.091 ueq/L	7/17/2007
K_Ions_AutoStream *Dilution:* N	14.94037 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.029 ueq/L	0.092 ueq/L	7/17/2007
SiO2_TC_AutoStream *Dilution:* N	259.69 µmol/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
NH4_Ions_AutoStream *Dilution:* N	*Non-detect *Recovery:* N	*Non-detect *Correction:* N	F	Actual	0.013 ueq/L	0.04 ueq/L	7/17/2007
NO3_Ions_AutoStream *Dilution:* N	*Non-detect *Recovery:* N	*Non-detect *Correction:* N	F	Actual	0.081 ueq/L	0.258 ueq/L	7/17/2007
SO4_Ions_AutoStream *Dilution:* N	40.83578 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.31 ueq/L	0.986 ueq/L	7/17/2007
Cl_Ions_AutoStream *Dilution:* N	21.98888 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.076 ueq/L	0.242 ueq/L	7/17/2007
SBC_IC2_AUTO *Dilution:* N	332.52245 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/6/2008
SAA_2PT_IC2_AUTO *Dilution:* N	296.88231 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/18/2008
IONRATIO_2PT_IC2_AUTO *Dilution:* N	0.89282 *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/18/2008

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 6/26/2006 4:00 AM
Visit Comment: // //

Activity: 060626040001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.92	Detected and Quantified	F	Actual				7/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	278.47744 µeq/L	Detected and Quantified	F	Actual				7/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	39.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	161.60577 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	129.82148 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	89.31609 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	9.08391 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	270.447 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	13.21793 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	52.77202 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	24.58808 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_AUTO	389.83375 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_AUTO	369.05547 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_AUTO	0.9467	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 6/26/2006 6:00 AM
Visit Comment: // //

Activity: 060626060001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.88	Detected and Quantified	F	Actual				7/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	276.02825 µeq/L	Detected and Quantified	F	Actual				7/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	38.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	159.60161 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	127.07273 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	85.0115 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	9.9337 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	243.871 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	2.01737 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	0.65256 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_AutoStream	51.43631 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	23.25271 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	383.63691 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	351.36983 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.91589	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 6/26/2006 10:00 AM
Visit Comment: // //

Activity: 060626100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.86	Detected and Quantified	F	Actual				7/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	256.34113 µeq/L	Detected and Quantified	F	Actual				7/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	38.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	157.72027 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	126.27986 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	84.76913 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	8.39668 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_AutoStream	263.077 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	1.51291 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	0.76654 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	56.61993 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	21.98525 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	378.67885 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	335.71285 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.88654	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 6/27/2006 2:00 AM
Visit Comment: // //

Activity: 060627020001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.97	Detected and Quantified	F	Actual				7/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	276.51169 µeq/L	Detected and Quantified	F	Actual				7/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	39.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	160.98429 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_AutoStream	131.16887 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	85.99915 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	7.45183 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	254.71 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	0.89723 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	0.7214 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	57.67496 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	22.70928 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	386.50137 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	357.61733 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.92527	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 6/27/2006 4:00 AM
Visit Comment: // //

Activity: 060627040001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.9	Detected and Quantified	F	Actual				7/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_AutoStream	256.34113 µeq/L	Detected and Quantified	F	Actual			7/10/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	39.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	7/3/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_AutoStream	161.95956 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	131.10038 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	84.8581 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	7.04 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	243.937 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	3.00572 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	57.69732 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	21.67253 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	384.96454 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	338.7167 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.87986	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 6/27/2006 10:00 AM
Visit Comment: // //

Activity: 060627100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.74	Detected and Quantified	F	Actual				7/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	270.40751 µeq/L	Detected and Quantified	F	Actual				7/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	38.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	162.17918 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	130.77793 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	85.11181 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	7.28018 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	239.704 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	0.28341 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	0.67903 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	60.06252 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	22.70596 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_AUTO	385.63251 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_AUTO	353.85502 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_AUTO	0.9176	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 6/27/2006 12:00 PM
Visit Comment: // //

Activity: 060627120001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.72	Detected and Quantified	F	Actual				7/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	238.84367 µeq/L	Detected and Quantified	F	Actual				7/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	37.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	153.05542 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	124.35743 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	82.61803 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	7.51232 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	237.745 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	10.49997 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_AutoStream	57.19331 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	22.0551 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	367.5497 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	328.59205 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.89401	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 6/27/2006 12:40 PM
Visit Comment: CHRIS MOORE // // Hot, humid, raining Hot, humid, rain

Activity: 060627124001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.75	Detected and Quantified	F	Actual				7/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	278.52795 µeq/L	Detected and Quantified	F	Actual				7/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	37.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	161.16486 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	128.38028 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	83.95258 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	8.22264 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	238.243 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	58.74298 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	22.10965 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	381.72686 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	359.42108 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.94157	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06062712400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	19 °C	Detected and Quantified	F	Actual				6/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PINE **Visit Date:** 6/27/2006 2:00 PM

Visit Comment: // //

Activity: 060627140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.3	Detected and Quantified	F	Actual				7/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_AutoStream	240.98247 µeq/L	Detected and Quantified	F	Actual			7/11/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	37.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	7/6/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_AutoStream	151.43442 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	122.62674 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	81.0915 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	8.03896 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	246.344 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	0.84582 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	0.70854 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	59.11682 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	21.76363 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	364.03744 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	322.57146 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.88609	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 6/27/2006 4:00 PM
Visit Comment: // //

Activity: 060627160001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.61	Detected and Quantified	F	Actual				7/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	200.9434 µeq/L	Detected and Quantified	F	Actual				7/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	34.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/6/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	136.48189 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	91.90696 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	53.85832 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	17.93331 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	327.153 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	48.82344 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		7/24/2007				
Dilution: Y	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	0.9891 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	66.49282 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	17.37388 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_AUTO	349.00392 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_AUTO	285.7992 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_AUTO	0.8189	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 6/28/2006 12:00 PM
Visit Comment: // //

Activity: 060628120001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.01	Detected and Quantified	F	Actual				7/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	150.42112 µeq/L	Detected and Quantified	F	Actual				7/18/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	31.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/6/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	134.5902 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	101.47229 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	51.87448 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	10.71158 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	167.345 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	5.92157 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	0.68624 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_AutoStream	98.06687 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	17.807 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	304.57012 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	266.98123 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.87658	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 6/29/2006 12:00 AM
Visit Comment: // //

Activity: 060629000001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.12	Detected and Quantified	F	Actual				7/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	152.98674 µeq/L	Detected and Quantified	F	Actual				7/18/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	31.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/6/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	132.47756 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	103.79944 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	62.07767 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	7.8165 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_AutoStream	188.244 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	86.56673 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	22.58297 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	306.17767 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	262.17694 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.85629	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 6/29/2006 2:00 AM
Visit Comment: // //

Activity: 060629020001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.12	Detected and Quantified	F	Actual				7/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	156.52732 µeq/L	Detected and Quantified	F	Actual				7/18/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	31.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/6/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	131.92226 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_AutoStream	103.41021 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	61.95623 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	7.4779 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	188.427 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	86.07057 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	22.60225 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	304.7731 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	265.24064 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.87029	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 6/29/2006 8:00 AM
Visit Comment: // //

Activity: 060629080001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.09	Detected and Quantified	F	Actual				7/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_AutoStream	164.20316 µeq/L	Detected and Quantified	F	Actual			7/18/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	32.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	7/6/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_AutoStream	132.13134 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	104.45543 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	63.64103 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	7.42699 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	193.008 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	1.51373 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	84.14568 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	23.22015 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	309.16852 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	271.60949 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.87852	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 7/5/2006 8:45 AM
Visit Comment: CHRIS MOORE // // Hot, humid, scattered T-storms Hot, humid, scattered T-storms

Activity: 060705084501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.24	Detected and Quantified	F	Actual				7/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	253.64563 µeq/L	Detected and Quantified	F	Actual				7/18/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	36.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/6/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	154.26654 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	123.30257 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	77.91026 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	6.90549 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	229.81 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	1.1981 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	61.11591 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	26.11173 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	363.58296 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	340.91377 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.93765	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06070508450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18.5 °C	Detected and Quantified	F	Actual				7/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 7/5/2006 6:00 PM
Visit Comment: // //

Activity: 060705180001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.16	Detected and Quantified	F	Actual				7/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	230.98383 µeq/L	Detected and Quantified	F	Actual				7/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	35.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/14/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	148.0729 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	118.92706 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	76.92866 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	6.93609 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_AutoStream	234.641 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	1.96751 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	60.78275 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	27.29946 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	350.87121 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	321.03355 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.91496	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 7/5/2006 10:00 PM
Visit Comment: // //

Activity: 060705220001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.22	Detected and Quantified	F	Actual				7/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	221.84975 µeq/L	Detected and Quantified	F	Actual				7/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	34.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/14/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	145.98378 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_AutoStream	116.84973 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	74.52899 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	7.16123 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	213.476 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	13.83514 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	57.98766 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	26.11713 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	344.53023 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	319.78968 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.92819	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 7/6/2006 12:00 AM
Visit Comment: // //

Activity: 060706000001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.22	Detected and Quantified	F	Actual				7/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_AutoStream	223.48485 µeq/L	Detected and Quantified	F	Actual			7/24/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	33.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	7/14/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_AutoStream	147.37555 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	117.09186 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	74.55049 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	7.8678 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	214.987 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	17.35354 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	56.01014 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	25.16171 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	346.8922 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	322.01024 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.92827	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 7/6/2006 2:00 AM
Visit Comment: // //

Activity: 060706020001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.21	Detected and Quantified	F	Actual				7/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	218.84658 µeq/L	Detected and Quantified	F	Actual				7/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	33.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/14/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	142.84877 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	113.72823 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	73.48735 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	8.13931 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	213.044 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	0.70082 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	53.70312 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	24.24609 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_AUTO	338.21016 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_AUTO	297.49661 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_AUTO	0.87962	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 7/6/2006 4:00 AM
Visit Comment: // //

Activity: 060706040001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.25	Detected and Quantified	F	Actual				7/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	226.17801 µeq/L	Detected and Quantified	F	Actual				7/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	34.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/14/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	147.96699 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	117.20729 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	75.74874 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	7.96364 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	221.842 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	6.60862 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_AutoStream	56.31584 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	24.40768 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	348.89316 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	313.51015 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.89858	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 7/6/2006 2:00 PM
Visit Comment: // //

Activity: 060706140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.29	Detected and Quantified	F	Actual				7/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	236.03303 µeq/L	Detected and Quantified	F	Actual				7/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	35.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/14/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	152.11979 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	121.73195 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	77.4215 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	6.89851 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_AutoStream	223.735 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	62.36647 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	25.24866 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	358.17825 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	323.68866 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.90371	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 7/6/2006 6:00 PM
Visit Comment: // //

Activity: 060706180001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.2	Detected and Quantified	F	Actual				7/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	233.48349 µeq/L	Detected and Quantified	F	Actual				7/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	35.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/14/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	153.14312 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_AutoStream	122.48423 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	77.92517 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	6.90511 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	225.959 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	1.47096 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	63.49511 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	25.53697 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	360.46413 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	323.98653 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.8988	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PINE **Visit Date:** 7/11/2006 1:50 PM

Visit Comment: CHRIS MOORE, FRANK DEVINEY // // Warm, cloudy Warm, scattered T-storms

Activity: 060711135001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.88	Detected and Quantified	F	Actual				7/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	276.69026 µeq/L	Detected and Quantified	F	Actual			8/17/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	37.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	7/14/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	162.2097 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	129.26015 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	82.76241 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	6.97052 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	234.757 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	0.98131 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	59.6067 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	26.45065 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	381.20928 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	363.72892 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.95414	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06071113500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18.5 °C	Detected and Quantified	F	Actual				7/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 7/18/2006 12:05 PM
Visit Comment: CHRIS MOORE // // Hot, humid Hot, scattered T-storms

Activity: 060718120501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.31	Detected and Quantified	F	Actual				7/19/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	306.08039 µeq/L	Detected and Quantified	F	Actual				8/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	39.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/19/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	172.62896 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	137.04749 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	89.36178 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	7.55239 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	248.402 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/18/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_Grab	53.58046 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/18/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	27.25541 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/18/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	406.59712 µeq/L	Detected and Quantified	F	Actual			2/6/2008	
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	386.95676 µeq/L	Detected and Quantified	F	Actual			2/18/2008	
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.9517	Detected and Quantified	F	Actual			2/18/2008	
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06071812050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	20 °C	Detected and Quantified	F	Actual				7/18/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PINE **Visit Date:** 7/25/2006 8:55 AM

Visit Comment: CHRIS MOORE // // Warm, scattered T-storms Hot, scattered T-storms

Activity: 060725085501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.91	Detected and Quantified	F	Actual				8/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	332.8417 µeq/L	Detected and Quantified	F	Actual				8/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	41.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/8/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	182.83068 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	144.27384 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	94.62381 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/24/2007
Dilution: Y	*Recovery:* N	*Correction:* N					
K_Ions_Grab	7.88362 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	257.018 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	0.64081 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	50.19597 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	28.21704 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	429.61845 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	411.89552 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.95875	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06072508550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	19 °C	Detected and Quantified	F	Actual				7/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0607250855S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	0.55 mg/l	Detected and Quantified	F	Actual	0.172339614 mg/l	0.548039971 mg/l		10/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Non-filterable Residue	1 mg/l	Detected and Quantified	F	Actual	0.179602815 mg/l	0.571136951 mg/l		10/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 8/1/2006 11:35 AM
Visit Comment: CHRIS MOORE // Sample was collected in two 250mL bottles. // Hot, heat advisory Hot, scattered T-storms

Activity: 060801113501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.66	Detected and Quantified	F	Actual				8/16/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	328.42429 µeq/L	Detected and Quantified	F	Actual				8/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	42.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/16/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	190.83318 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	147.41369 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	98.93423 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/24/2007				
Dilution: Y	*Recovery:* N	*Correction:* N										
K_Ions_Grab	8.18451 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	267.31 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	0.47471 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	2.81903 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	47.88613 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	29.66056 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	445.84032 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	408.79001 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.9169	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06080111350F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	21 °C	Detected and Quantified	F	Actual				8/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PINE **Visit Date:** 8/8/2006 12:55 PM

Visit Comment: CHRIS MOORE // // Warm, humid, scattered T-storms Hot, scattered T-storms

Activity: 060808125501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.82	Detected and Quantified	F	Actual				8/16/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	360.9666 µeq/L	Detected and Quantified	F	Actual			8/25/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	44.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	8/16/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	191.01872 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	148.00597 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	104.42248 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/25/2007
Dilution: Y	*Recovery:* N	*Correction:* N					
K_Ions_Grab	8.51976 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	273.784 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	44.61763 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	28.73961 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	451.97343 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	434.36434 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.96104	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06080812550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	22 °C	Detected and Quantified	F	Actual				8/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 8/15/2006 12:50 PM
Visit Comment: CHRIS MOORE // // Warm, nice, cloudy to partly cloudy Warm, scattered T-storms

Activity: 060815125001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.23	Detected and Quantified	F	Actual				8/16/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	378.46434 µeq/L	Detected and Quantified	F	Actual				8/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	46.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/16/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	201.91248 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/23/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	155.36688 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/23/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	105.49818 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/25/2007				
Dilution: Y	*Recovery:* N	*Correction:* N										
K_Ions_Grab	8.50054 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/23/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	274.232 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/23/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/23/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_Grab	44.22199 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/23/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	28.64815 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/23/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	471.28458 µeq/L	Detected and Quantified	F	Actual			2/6/2008	
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	451.37498 µeq/L	Detected and Quantified	F	Actual			2/18/2008	
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.95775	Detected and Quantified	F	Actual			2/18/2008	
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06081512500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	20 °C	Detected and Quantified	F	Actual				8/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PINE **Visit Date:** 8/22/2006 11:40 AM

Visit Comment: FAD // gravel control had developed between inlet pipe and staff gage. Inlet pipe silted in. Removed and cleaned (partially). Recorded heights are OK despite the control. // warm, clear dry

Activity: 060822114001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.27	Detected and Quantified	F	Actual				8/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	393.63306 µeq/L	Detected and Quantified	F	Actual				10/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	46.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	8/23/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	204.66511 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	156.08717 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	107.54869 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/25/2007
Dilution: Y	*Recovery:* N	*Correction:* N					
K_Ions_Grab	8.44267 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	278 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	1.10621 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	41.6875 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	29.08251 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	477.84985 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	464.44357 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.97194	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06082211400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	19 °C	Detected and Quantified	F	Actual				8/22/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

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Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 8/28/2006 12:05 PM
Visit Comment: FAD // // Sunny, hot Hot & dry

Activity: 060828120501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.05	Detected and Quantified	F	Actual				8/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	408.4605 µeq/L	Detected and Quantified	F	Actual				10/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	47.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/30/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	210.61175 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	158.14148 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	112.80142 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/1/2007				
Dilution: Y	*Recovery:* N	*Correction:* N										
K_Ions_Grab	9.1286 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	282.598 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	1.30622 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	42.32323 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	29.76043 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	491.98947 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC2_GRAB	480.58466 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.97682	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06082812050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	21 °C	Detected and Quantified	F	Actual				8/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 9/1/2006 6:00 PM
Visit Comment: // //

Activity: 060901180001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.58	Detected and Quantified	F	Actual				9/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	293.52618 µeq/L	Detected and Quantified	F	Actual				10/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	41.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/13/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	166.92236 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	128.4033 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	86.63492 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_AutoStream	13.21306 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	263.824 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	18.53657 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	19.28871 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	52.74375 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	28.30844 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	413.71021 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	393.86708 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.95204	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 9/1/2006 8:00 PM
Visit Comment: // //

Activity: 060901200001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.52	Detected and Quantified	F	Actual				9/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	218.58958 µeq/L	Detected and Quantified	F	Actual				10/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	37 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/13/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_AutoStream	152.84099 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	116.94374 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	73.48005 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	12.12499 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	207.268 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	8.53737 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	33.28095 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	58.81564 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	25.61399 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	363.92714 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	336.30016 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.92409	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 9/1/2006 10:00 PM
Visit Comment: // //

Activity: 060901220001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.44	Detected and Quantified	F	Actual				9/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	176.09416 µeq/L	Detected and Quantified	F	Actual				10/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	33 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/13/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	136.71726 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	103.49109 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	61.8982 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	11.81933 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	176.84 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	15.15935 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	32.46689 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	66.18843 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	21.47428 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_AUTO	329.08523 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_AUTO	296.22376 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_AUTO	0.90014	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 9/2/2006 12:00 AM
Visit Comment: // //

Activity: 060902000001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.47	Detected and Quantified	F	Actual				9/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	147.00584 µeq/L	Detected and Quantified	F	Actual				10/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	29.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/13/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	128.39925 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	95.59547 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	54.81992 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	10.21132 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	157.268 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	10.06424 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	20.94602 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_AutoStream	67.78947 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	18.06264 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	299.0902 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	253.80397 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.84859	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 9/2/2006 12:00 PM
Visit Comment: // //

Activity: 060902120001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.61	Detected and Quantified	F	Actual				9/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	125.36231 µeq/L	Detected and Quantified	F	Actual				10/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	27 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/13/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	112.80367 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	86.58716 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	49.29104 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	7.09232 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_AutoStream	146.927 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	4.16367 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	81.29361 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	17.24694 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	259.93786 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	223.94336 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.86153	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 9/2/2006 2:00 PM
Visit Comment: // //

Activity: 060902140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.69	Detected and Quantified	F	Actual				9/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	127.86205 µeq/L	Detected and Quantified	F	Actual				10/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	27.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/13/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	113.87375 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_AutoStream	87.79785 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	50.55335 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	6.97792 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	151.508 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	3.77042 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	81.7822 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	17.9151 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	262.97329 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	227.59985 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.86549	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 9/2/2006 8:00 PM
Visit Comment: // //

Activity: 060902200001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.69	Detected and Quantified	F	Actual				9/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_AutoStream	135.30428 µeq/L	Detected and Quantified	F	Actual			10/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	27.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	9/13/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_AutoStream	114.73462 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	88.89659 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	52.90004 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	6.75886 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	159.161 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	1.41907 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	80.65966 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	19.59631 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	264.70918 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	235.60075 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.89004	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 9/3/2006 12:00 AM
Visit Comment: // //

Activity: 060903000001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.82	Detected and Quantified	F	Actual				9/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	138.59826 µeq/L	Detected and Quantified	F	Actual				10/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	27.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/13/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	115.16366 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	89.70833 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	54.15825 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	6.62313 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	160.29 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	2.30277 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	79.19236 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	20.57615 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_AUTO	267.95614 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_AUTO	238.40727 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_AUTO	0.88972	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 9/3/2006 2:00 AM
Visit Comment: // //

Activity: 060903020001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.84	Detected and Quantified	F	Actual				9/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	143.59771 µeq/L	Detected and Quantified	F	Actual				10/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	27.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/13/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	115.86086 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	90.27223 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	54.80234 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	6.47292 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	164.489 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	0.63287 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_AutoStream	79.21449 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	20.79878 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	268.04122 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	243.65148 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.90901	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 9/3/2006 4:00 AM
Visit Comment: // //

Activity: 060903040001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.67	Detected and Quantified	F	Actual				9/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	143.59771 µeq/L	Detected and Quantified	F	Actual				10/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	28.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/13/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	115.1009 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	90.20356 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	55.0785 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	6.20189 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_AutoStream	166.398 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	78.04894 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	20.99369 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	266.59135 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	242.68084 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.91031	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 9/3/2006 6:00 AM
Visit Comment: // //

Activity: 060903060001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.76	Detected and Quantified	F	Actual				9/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	146.88705 µeq/L	Detected and Quantified	F	Actual				10/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	28.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/13/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	116.19722 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_AutoStream	90.89232 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	55.54163 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	6.41385 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	167.544 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	1.81173 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	77.61377 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	21.39376 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	270.85675 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	245.93508 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.90799	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 9/3/2006 10:00 AM
Visit Comment: // //

Activity: 060903100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.63	Detected and Quantified	F	Actual				9/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_AutoStream	151.15525 µeq/L	Detected and Quantified	F	Actual			10/14/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	28.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	9/14/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_AutoStream	117.81198 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	91.92351 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	56.71199 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	6.30121 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	169.27 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	1.27246 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	76.1036 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	21.82654 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	274.02115 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	249.12589 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.90915	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 9/5/2006 12:35 PM
Visit Comment: FAD // far-side staff read // rainy, cool 4-8" rain from a tropical system

Activity: 060905123501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.52	Detected and Quantified	F	Actual				9/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	210.35367 µeq/L	Detected and Quantified	F	Actual				10/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	32.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/13/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	140.31391 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	108.99099 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	66.5163 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	6.78758 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	196.295 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	1.91397 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	67.68362 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	21.60967 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	324.52275 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	299.68746 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.92347	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06090512350F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	16.5 °C	Detected and Quantified	F	Actual				9/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 9/6/2006 4:00 AM
Visit Comment: // //

Activity: 060906040001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.29	Detected and Quantified	F	Actual				9/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	202.91509 µeq/L	Detected and Quantified	F	Actual				10/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	32.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/14/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	138.75408 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	109.67377 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	67.56336 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	6.13151 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_AutoStream	202.072 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	2.28288 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	72.57002 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	23.73311 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	322.12922 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	301.5011 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.93596	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 9/6/2006 2:00 PM
Visit Comment: // //

Activity: 060906140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.32	Detected and Quantified	F	Actual				9/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	171.02574 µeq/L	Detected and Quantified	F	Actual				10/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	32.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/14/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	137.84947 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_AutoStream	108.78903 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	67.8978 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	6.09622 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	203.533 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	1.11671 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	71.18206 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	24.07011 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	320.63902 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	267.39462 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.83394	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 9/6/2006 4:00 PM
Visit Comment: // //

Activity: 060906160001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	7.32	Detected and Quantified	F	Actual				9/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_AutoStream	198.53758 µeq/L	Detected and Quantified	F	Actual			10/14/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	32.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	9/14/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_AutoStream	139.04261 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	109.47572 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	68.37237 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	6.14293 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	204.346 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	2.06857 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	70.61656 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	24.86454 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	323.04013 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	296.08725 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.91656	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 9/13/2006 12:05 PM
Visit Comment: FAD // // drizzly some rain

Activity: 060913120501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.26	Detected and Quantified	F	Actual				9/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	248.53153 µeq/L	Detected and Quantified	F	Actual				10/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	34.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/14/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	150.54879 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	118.84848 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	74.0377 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	6.18142 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	218.539 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	59.64367 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	25.98877 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	349.62289 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	334.20447 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.9559	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06091312050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	16 °C	Detected and Quantified	F	Actual				9/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 9/20/2006 12:20 PM
Visit Comment: FAD // // cool Mild; some rainy, cloudy days

Activity: 060920122001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.05	Detected and Quantified	F	Actual				9/22/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	263.58482 µeq/L	Detected and Quantified	F	Actual				10/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	36 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/22/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	155.2797 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	123.24636 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	78.12975 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	6.38363 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	218.34 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	55.19961 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	26.67456 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	363.04594 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	345.49949 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.95167	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06092012200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	15.5 °C	Detected and Quantified	F	Actual				9/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PINE **Visit Date:** 9/27/2006 12:10 PM

Visit Comment: FAD // chart ran out. whoops. // clear. cool Fair, a few light showers. mostly dry

Activity: 060927121001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.85	Detected and Quantified	F	Actual				10/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	271.08403 µeq/L	Detected and Quantified	F	Actual			10/14/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	36.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	10/2/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	156.90343 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	124.81985 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	80.83416 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	6.30061 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	227.221 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	52.60985 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	26.88625 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	368.86455 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	350.62063 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.95054	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

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Activity: 06092712100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	15.5 °C	Detected and Quantified	F	Actual				9/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 10/4/2006 12:45 PM
Visit Comment: FAD // //clear,
Warm, mostly sunny
Fair, some showers

Activity: 061004124501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	7.3659	Detected and Quantified	F	Actual				10/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	7.34	Detected and Quantified	F	Actual				10/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	282.45758 µeq/L	Detected and Quantified	F	Actual				10/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	272.90723 µeq/L	Detected and Quantified	F	Actual				10/18/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	36.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/5/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	158.39443 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	125.62967 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	81.33725 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_Grab	6.37486 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	229.18 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	50.98308 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	27.37229 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	371.74271 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	351.3031 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.94502	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	360.85345 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.97071	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06100412450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	16 °C	Detected and Quantified	F	Actual				10/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

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Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 10/6/2006 6:00 PM

Activity: 061006180001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	7.152	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_AutoStream	7.27	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	227.72985 µeq/L	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	211.88044 µeq/L	Detected and Quantified	F	Actual				10/19/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	35.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	148.56731 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	118.56882 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	71.09364 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	7.63984 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	207.052 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	1.51735 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	70.84224 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Cl_Ions_AutoStream	28.68086 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	345.87611 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	312.92089 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.90472	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	328.7703 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.95054	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PINE **Visit Date:** 10/6/2006 4:00 PM

Activity: 061006160001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	7.1429	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_AutoStream	7.28	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	233.73835 µeq/L	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	221.14864 µeq/L	Detected and Quantified	F	Actual				10/19/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	36.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_AutoStream	155.65558 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	123.93804 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	75.07455 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	7.94587 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	204.329 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	3.2528 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	66.64709 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	29.94945 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	362.62054 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	320.99798 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.88522	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	333.58769 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.91994	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

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Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 10/6/2006 12:00 PM

Activity: 061006120001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	7.2544	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_AutoStream	7.28	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	238.59451 µeq/L	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	223.58905 µeq/L	Detected and Quantified	F	Actual				10/19/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	36.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	158.22495 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	125.57824 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	75.75002 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	8.5613 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	195.946 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	1.09198 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	0.76141 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	64.04934 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Cl_Ions_AutoStream	30.39127 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	369.20649 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	318.79107 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.86345	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	333.79653 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.90409	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PINE **Visit Date:** 10/6/2006 6:00 AM

Activity: 061006060001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	7.1066	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_AutoStream	7.16	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	239.60118 µeq/L	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	226.08878 µeq/L	Detected and Quantified	F	Actual				10/19/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	35.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_AutoStream	147.20187 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	117.68116 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	73.94549 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	10.85393 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	210.239 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	14.538 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	2.30219 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	56.56635 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	29.65681 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	364.22045 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	314.61413 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.8638	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	328.12653 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.9009	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 10/6/2006 4:00 AM

Activity: 061006040001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	6.9333	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_AutoStream	6.95	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	244.25478 µeq/L	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	241.03243 µeq/L	Detected and Quantified	F	Actual				10/19/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	35 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	139.84953 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	109.94924 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	73.87099 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	10.16992 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	243.406 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	7.79832 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	0.86081 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	52.57892 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Cl_Ions_AutoStream	30.172 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	341.638 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	324.64416 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.95026	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	327.86651 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.95969	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PINE **Visit Date:** 10/6/2006 8:00 PM

Activity: 061006200001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	7.1906	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_AutoStream	7.24	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	217.1434 µeq/L	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	206.15004 µeq/L	Detected and Quantified	F	Actual				10/19/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	34.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_AutoStream	153.31283 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	122.48436 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	74.49119 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	7.91418 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	201.325 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	0.70308 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	68.74316 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	31.37458 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	358.20906 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	306.97086 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.85696	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	317.96422 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.88765	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 10/6/2006 10:00 AM

Activity: 061006100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	7.2157	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_AutoStream	7.26	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	234.84229 µeq/L	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	218.58958 µeq/L	Detected and Quantified	F	Actual				10/19/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	36.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	155.62032 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	123.64708 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	74.60222 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	8.95613 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	205.707 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	8.50625 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	61.91131 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Cl_Ions_AutoStream	29.93417 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	362.83225 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	318.94131 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.87903	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	335.19402 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.92383	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PINE **Visit Date:** 10/7/2006 4:00 AM

Activity: 061007040001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	7.0152	Detected and Quantified	F	Actual				10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_AutoStream	7.15	Detected and Quantified	F	Actual				10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	195.92827 µeq/L	Detected and Quantified	F	Actual				10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	182.34328 µeq/L	Detected and Quantified	F	Actual				10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	32.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_AutoStream	140.87908 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	113.29691 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	67.74804 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	6.49382 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	188.626 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	4.41676 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	78.0758 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	27.34386 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	328.42435 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	292.1797 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.88964	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	305.76469 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.931	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 10/7/2006 8:00 AM

Activity: 061007080001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	7.0513	Detected and Quantified	F	Actual				10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_AutoStream	7.17	Detected and Quantified	F	Actual				10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	192.25234 µeq/L	Detected and Quantified	F	Actual				10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	181.03972 µeq/L	Detected and Quantified	F	Actual				10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	32.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	138.50188 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	110.95571 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	66.48211 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	6.85732 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	184.907 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	2.99565 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	77.99018 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Cl_Ions_AutoStream	27.22409 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	322.80352 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	289.24964 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.89605	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	300.46226 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.93079	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PINE **Visit Date:** 10/7/2006 10:00 AM

Activity: 061007100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	7.0986	Detected and Quantified	F	Actual				10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_AutoStream	7.09	Detected and Quantified	F	Actual				10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	196.11383 µeq/L	Detected and Quantified	F	Actual				10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	183.53941 µeq/L	Detected and Quantified	F	Actual				10/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	32.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_AutoStream	135.71961 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	109.63195 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	67.62368 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	7.00638 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	190.983 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	2.69898 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	77.49587 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	28.34857 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	319.98812 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	292.08283 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.91279	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	304.65725 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.95209	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 10/8/2006 12:00 AM

Activity: 061008000001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	7.0989	Detected and Quantified	F	Actual				10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_AutoStream	7.13	Detected and Quantified	F	Actual				10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	196.78053 µeq/L	Detected and Quantified	F	Actual				10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	183.53941 µeq/L	Detected and Quantified	F	Actual				10/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	33.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	138.33745 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	112.15275 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	69.00388 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	6.15818 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	199.001 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	3.31884 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	83.13521 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Cl_Ions_AutoStream	28.02476 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	325.65876 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	298.01822 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.91512	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	311.25934 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.95578	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PINE **Visit Date:** 10/11/2006 9:45 AM

Visit Comment: SUSIE MABEN //
//Mostly cloudy, mild
Rain event, mild

Activity: 061011094501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	7.1233	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	7.21	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	209.50202 µeq/L	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	196.88195 µeq/L	Detected and Quantified	F	Actual				10/19/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	32.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	135.50194 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	109.11496 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	69.00462 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	5.52616 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	197.324 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	69.66081 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	25.9358 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	319.15418 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	292.51906 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.91654	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	305.13913 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.95609	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06101109450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	14 °C	Detected and Quantified	F	Actual				10/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 10/17/2006 10:00 PM

Activity: 061017220001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	7.2182	Detected and Quantified	F	Actual				10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_AutoStream	7.26	Detected and Quantified	F	Actual				10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStrea m	220.00839 µeq/L	Detected and Quantified	F	Actual				10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	211.09038 µeq/L	Detected and Quantified	F	Actual				10/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Aut oStream	33.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	139.155 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	113.24298 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	70.68155 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	6.98414 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_AutoStream	193.39 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	0.9663 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	63.15922 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	31.06682 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	330.07017 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	306.28272 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.92793	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	315.20073 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.95495	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 10/17/2006 4:00 PM

Activity: 061017160001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	7.1216	Detected and Quantified	F	Actual				10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_AutoStream	7.16	Detected and Quantified	F	Actual				10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Metrohm_AutoStream	214.87517 µeq/L	Detected and Quantified	F	Actual			10/20/2006
Dilution: N	*Recovery:* N	*Correction:* N					
ANC_Manual_AutoStream	206.09092 µeq/L	Detected and Quantified	F	Actual			10/25/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	32 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	10/20/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_AutoStream	129.00771 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	106.28844 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	68.2567 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	8.59762 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	206.853 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	1.83301 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	62.18354 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	30.51898 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	312.15697 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	300.62645 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.96306	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

SAA_MET_IC2_AUTO	309.4107 µeq/L	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_MET_IC2_AUTO	0.9912	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 10/19/2006 12:20 PM
Visit Comment: FAD // //clear,
warm
< 1" rain

Activity: 061019122001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	7.1093	Detected and Quantified	F	Actual				10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	7.29	Detected and Quantified	F	Actual				10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	228.75874 µeq/L	Detected and Quantified	F	Actual				10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	220.35267 µeq/L	Detected and Quantified	F	Actual				10/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	33.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	137.67012 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	112.46912 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	72.18554 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	6.19087 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	197.208 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	64.02638 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	29.1169 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	328.52215 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	313.53645 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.95438	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	321.94252 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.97997	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06101912200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	13.5 °C	Detected and Quantified	F	Actual				10/19/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 10/25/2006 12:40 PM
Visit Comment: FAD // //Cold,
windy, cloudy
Cool, mostly fair

Activity: 061025124001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	7.3135	Detected and Quantified	F	Actual				10/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	7.26	Detected and Quantified	F	Actual				10/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	227.42329 µeq/L	Detected and Quantified	F	Actual				10/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	221.03484 µeq/L	Detected and Quantified	F	Actual				10/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	32.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/26/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	135.46158 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	111.92248 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	71.25225 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	6.24775 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	196.378 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	62.55221 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	28.84129 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	324.89056 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	312.46884 µeq/L	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.96177	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_MET_IC2_GRAB	318.85729 µeq/L	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_MET_IC2_GRAB	0.98143	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06102512400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8 °C	Detected and Quantified	F	Actual				10/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0610251240S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Present <QL	*Present <QL	F	Actual	0.172339614 mg/l	0.548039971 mg/l		3/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.2.												
Non-filterable Residue	*Non-detect	*Non-detect	F	Actual	0.179602815 mg/l	0.571136951 mg/l		3/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.1.												

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 10/28/2006 8:00 AM

Activity: 061028080001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	6.8768	Detected and Quantified	F	Actual				11/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_AutoStream	6.99	Detected and Quantified	F	Actual				11/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	221.72741 µeq/L	Detected and Quantified	F	Actual				11/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	212.85342 µeq/L	Detected and Quantified	F	Actual				11/21/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	33.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/17/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	139.1473 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	114.69973 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	69.88776 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	8.55149 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	190.933 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	5.09303 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_AutoStream	66.07669 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	34.00657 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	332.29278 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	318.02971 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.95708	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	326.9037 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.98378	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PINE **Visit Date:** 10/28/2006 10:00 AM

Activity: 061028100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	6.8754	Detected and Quantified	F	Actual				11/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_AutoStream	7.02	Detected and Quantified	F	Actual				11/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	218.39138 µeq/L	Detected and Quantified	F	Actual				11/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	210.35367 µeq/L	Detected and Quantified	F	Actual				11/21/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_AutoStream	33.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	11/17/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_AutoStream	139.07264 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	114.41774 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	70.15561 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	8.1003 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	190.917 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	2.32674 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	65.73562 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	35.74967 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	331.75279 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	314.1657 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.94699	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	322.20341 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.97122	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 10/28/2006 8:00 PM

Activity: 061028200001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	7.1522	Detected and Quantified	F	Actual				11/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_AutoStream	7.19	Detected and Quantified	F	Actual				11/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	225.29728 µeq/L	Detected and Quantified	F	Actual				11/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	215.35317 µeq/L	Detected and Quantified	F	Actual				11/21/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	34.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/17/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	141.65941 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	117.01832 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	71.48571 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	7.74222 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	193.324 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	1.55626 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	68.79308 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Cl_Ions_AutoStream	33.71827 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	337.91216 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	319.42078 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.94528	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	329.36489 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.97471	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PINE **Visit Date:** 10/28/2006 4:00 AM

Activity: 061028040001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	6.8183	Detected and Quantified	F	Actual				11/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_AutoStream	6.92	Detected and Quantified	F	Actual				11/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	220.68383 µeq/L	Detected and Quantified	F	Actual				11/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	207.91452 µeq/L	Detected and Quantified	F	Actual				11/21/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	33.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/17/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_AutoStream	134.65981 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	112.44675 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	69.31589 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	10.28565 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	194.602 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	3.39877 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	63.88763 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	33.4755 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	326.7146 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	308.67642 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.94479	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	321.44573 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.98387	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 10/28/2006 2:00 AM

Activity: 061028020001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	6.9291	Detected and Quantified	F	Actual				11/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_AutoStream	7	Detected and Quantified	F	Actual				11/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	225.57753 µeq/L	Detected and Quantified	F	Actual				11/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	216.08985 µeq/L	Detected and Quantified	F	Actual				11/21/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	33.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/17/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	134.40512 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	110.89949 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	69.65805 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	10.50193 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	207.533 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	8.16736 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	62.70072 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Cl_Ions_AutoStream	33.7933 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	325.47109 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	320.75123 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.9855	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	330.23891 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	1.01465	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PINE **Visit Date:** 11/1/2006 1:05 PM

Visit Comment: FAD // //warm,
clear
warm, some rain

Activity: 061101130501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	7.1345	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	7.25	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	228.7025 µeq/L	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	216.14911 µeq/L	Detected and Quantified	F	Actual				11/21/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	33.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	137.17058 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	111.75663 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	72.13456 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	6.57579 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	190.419 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	67.03105 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	29.83458 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	327.64406 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	313.05524 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.95547	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	325.60863 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.99379	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06110113050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12 °C	Detected and Quantified	F	Actual				11/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 11/2/2006 8:00 AM

Activity: 061102080001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	7.0424	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	224.95249 µeq/L	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	33.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	139.14923 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	113.706 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	70.73496 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	8.29838 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	184.941 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_AutoStream	1.32987 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_AutoStream	66.80673 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_AutoStream	31.35035 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_AUTO	331.89507 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_MET_IC2_AUTO	324.43944 µeq/L	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_MET_IC2_AUTO	0.97754	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 11/2/2006 6:00 AM

Activity: 061102060001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	7.0215	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	229.81625 µeq/L	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	33.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	140.92023 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	114.47654 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	71.14707 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_AutoStream	9.35512 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	190.186 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	66.6924 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	31.67177 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	335.90546 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	328.22092 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.97712	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PINE **Visit Date:** 11/8/2006 1:00 PM

Visit Comment: FAD // //rainin
seasonal

Activity: 061108130001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.6226	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	204.41872 µeq/L	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	36.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	11/20/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	151.36578 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	8/3/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	123.18389 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/3/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	68.18416 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/3/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	9.62373 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/3/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	184.459 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	4.48475 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	8/3/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/3/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	87.58286 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/3/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	32.60078 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/3/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	356.84231 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	324.64286 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.90977	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06110813000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9.5 °C	Detected and Quantified	F	Actual				11/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 11/8/2006 8:00 AM

Activity: 061108080001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	6.853	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	209.89515 µeq/L	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	37.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	153.77965 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	124.56289 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	67.13513 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	13.00184 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	179.695 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	2.64186 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	6.07733 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	82.67447 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	36.37677 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_AUTO	361.12137 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_MET_IC2_AUTO	335.02372 µeq/L	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_MET_IC2_AUTO	0.92773	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PINE **Visit Date:** 11/8/2006 4:00 AM

Activity: 061108040001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	6.7461	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	221.49053 µeq/L	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	34.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	139.21958 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/3/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	111.37724 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/3/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	67.41456 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/3/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	16.01202 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/3/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	184.409 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	4.7407 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		8/3/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		8/3/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_AutoStream	65.6021 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/3/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_AutoStream	34.96737 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/3/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_AUTO	338.7641 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_MET_IC2_AUTO	322.1005 µeq/L	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_MET_IC2_AUTO	0.95081	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 11/8/2006 6:00 AM

Activity: 061108060001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	6.7473	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	216.93932 µeq/L	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	36.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	152.57134 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/3/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	120.49561 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/3/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	67.27623 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/3/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_AutoStream	15.51671 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/3/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	179.695 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	8.60833 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	8/3/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	2.8729 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	8/3/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	75.10009 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/3/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	35.41892 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/3/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	364.46822 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	330.33123 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.90634	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PINE **Visit Date:** 11/8/2006 2:00 AM

Activity: 061108020001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	6.9578	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	214.29286 µeq/L	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	32.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_AutoStream	133.43441 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	8/3/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	106.63151 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/3/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	66.54625 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/3/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	9.93456 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/3/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	177.852 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/3/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	7.14134 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	8/3/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	61.91025 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/3/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	30.04833 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/3/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	316.55323 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	313.39278 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.99002	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PINE **Visit Date:** 11/8/2006 8:00 PM

Activity: 061108200001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	7.0339	Detected and Quantified	F	Actual				11/21/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Metrohm_AutoStream	201.75757 µeq/L	Detected and Quantified	F	Actual			11/21/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	36.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	11/21/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_AutoStream	145.25496 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	119.77045 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	69.3251 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	7.80016 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	185.322 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	1.525 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	1.24937 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	87.75293 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	32.22087 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	343.67567 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	322.98074 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.93978	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 11/9/2006 8:00 AM

Activity: 061109080001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	7.0833	Detected and Quantified	F	Actual				11/21/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	201.61283 µeq/L	Detected and Quantified	F	Actual				11/21/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	35.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/21/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	141.99116 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	116.41029 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	70.41734 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	6.40882 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	198.851 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	84.84216 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	30.99269 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_AUTO	335.23411 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_MET_IC2_AUTO	317.48818 µeq/L	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_MET_IC2_AUTO	0.94706	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PINE **Visit Date:** 11/9/2006 12:00 PM

Activity: 061109120001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	7.0803	Detected and Quantified	F	Actual				11/21/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	196.20769 µeq/L	Detected and Quantified	F	Actual				11/21/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	35 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/21/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	137.6966 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	113.47018 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	69.95771 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	6.44913 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	189.788 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	0.71654 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_AutoStream	83.63171 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	33.28721 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	327.58012 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	313.84315 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.95807	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 11/15/2006 10:05 AM
Visit Comment: FAD // //clear.
cool
several rain events last week

Activity: 061115100501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.7555	Detected and Quantified	F	Actual				11/21/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	184.59411 µeq/L	Detected and Quantified	F	Actual				11/21/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	31.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/21/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	127.80279 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	105.22073 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	69.43162 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_Grab	5.58477 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	187.978 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	72.30772 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	27.60645 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	308.04641 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	284.54878 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.92372	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06111510050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10 °C	Detected and Quantified	F	Actual				11/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 11/16/2006 12:00 PM

Activity: 061116120001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	6.7627	Detected and Quantified	F	Actual				11/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	189.04612 µeq/L	Detected and Quantified	F	Actual				11/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	32.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/28/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	127.42507 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	99.05165 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	59.69921 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	16.46613 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	176.873 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	20.7116 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	2.85891 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	72.73722 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	27.10895 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_AUTO	323.35366 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_MET_IC2_AUTO	291.7512 µeq/L	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_MET_IC2_AUTO	0.90227	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PINE **Visit Date:** 11/16/2006 10:00 AM

Activity: 061116100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	7.0105	Detected and Quantified	F	Actual				11/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	189.46623 µeq/L	Detected and Quantified	F	Actual				11/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	31.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/28/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	125.68789 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	102.00409 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	67.55787 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	7.96469 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	179.512 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	0.33531 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_AutoStream	69.82471 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_AutoStream	28.64858 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_AUTO	303.54985 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_MET_IC2_AUTO	287.98002 µeq/L	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_MET_IC2_AUTO	0.94871	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 11/16/2006 8:00 AM

Activity: 061116080001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	6.9654	Detected and Quantified	F	Actual				11/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	190.15552 µeq/L	Detected and Quantified	F	Actual				11/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	31.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/28/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	128.7659 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	104.282 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	69.14233 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	6.19118 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_AutoStream	187.431 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	72.19509 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	30.21621 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	308.38791 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	292.60732 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.94883	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PINE **Visit Date:** 11/16/2006 2:00 PM

Activity: 061116140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	6.8556	Detected and Quantified	F	Actual				11/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	171.31758 µeq/L	Detected and Quantified	F	Actual				11/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	33.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/28/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	137.67475 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_AutoStream	107.13777 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	56.08793 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	15.66086 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	161.053 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	8.85929 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	1.53737 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	88.40107 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	25.75461 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	325.4206 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	287.01063 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.88197	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PINE **Visit Date:** 11/17/2006 6:00 AM

Activity: 061117060001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	6.9007	Detected and Quantified	F	Actual				11/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Metrohm_AutoStream	176.62914 µeq/L	Detected and Quantified	F	Actual			11/28/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	34 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	11/28/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_AutoStream	132.0229 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	107.36559 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	64.45828 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	8.09401 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	183.862 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	8.22554 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	7.39318 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	91.27338 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	28.1293 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	320.16632 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	303.425 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.94771	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 11/17/2006 2:00 AM

Activity: 061117020001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	7.0565	Detected and Quantified	F	Actual				11/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	172.80437 µeq/L	Detected and Quantified	F	Actual				11/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	33.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/28/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	132.0527 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	108.44285 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	63.15805 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	7.79746 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	183.878 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	91.89437 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	27.40616 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_AUTO	311.45756 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_MET_IC2_AUTO	292.1454 µeq/L	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_MET_IC2_AUTO	0.93799	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PINE **Visit Date:** 11/18/2006 6:00 AM

Activity: 061118060001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	7.1046	Detected and Quantified	F	Actual				11/29/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	169.11384 µeq/L	Detected and Quantified	F	Actual				11/29/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	31.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/29/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	124.96947 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	102.7276 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	64.942 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	5.96445 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	186.833 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	2.3281 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_AutoStream	83.25929 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_AutoStream	27.60516 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_AUTO	298.61002 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_MET_IC2_AUTO	282.30639 µeq/L	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_MET_IC2_AUTO	0.9454	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PINE **Visit Date:** 11/18/2006 4:00 AM

Activity: 061118040001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	7.0502	Detected and Quantified	F	Actual				11/29/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	168.50924 µeq/L	Detected and Quantified	F	Actual				11/29/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	31.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/29/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	125.99043 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	103.00166 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	64.83581 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	6.20932 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_AutoStream	185.737 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	8.45008 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	83.78823 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	27.63552 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	300.04372 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	288.38307 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.96114	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 11/22/2006 10:55 AM
Visit Comment: FAD //
//cloudy, cool. later rain
significant rain end of last week

Activity: 061122105501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.9115	Detected and Quantified	F	Actual				11/29/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	179.07098 µeq/L	Detected and Quantified	F	Actual				11/29/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	31.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/29/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	123.47125 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	102.81264 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	67.22249 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	5.2333 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	190.601 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	3.40508 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	70.61186 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	27.55162 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	298.74618 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	280.63954 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.93939	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06112210550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6.5 °C	Detected and Quantified	F	Actual				11/22/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 11/22/2006 10:00 PM

Activity: 061122220001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	7.1361	Detected and Quantified	F	Actual				12/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	175.69099 µeq/L	Detected and Quantified	F	Actual				12/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	30.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		12/1/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	117.58563 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	97.84387 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	65.76516 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	6.1602 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	186.053 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	1.61278 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	2.34912 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	66.96166 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	26.90303 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_AUTO	288.96764 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_MET_IC2_AUTO	271.9048 µeq/L	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_MET_IC2_AUTO	0.94095	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PINE **Visit Date:** 11/22/2006 8:00 PM

Activity: 061122200001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	7.0964	Detected and Quantified	F	Actual				12/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	175.2231 µeq/L	Detected and Quantified	F	Actual				12/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	30 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		12/1/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	125.10012 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	99.584 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	65.8956 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	6.13614 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	199.2 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	2.81817 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	0.99381 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_AutoStream	67.42774 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_AutoStream	29.56631 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_AUTO	299.53403 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_MET_IC2_AUTO	273.21096 µeq/L	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_MET_IC2_AUTO	0.91212	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 11/23/2006 6:00 PM

Activity: 061123180001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	7.1095	Detected and Quantified	F	Actual				12/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	178.06459 µeq/L	Detected and Quantified	F	Actual				12/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	31.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		12/1/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	128.47033 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	105.81165 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	66.52922 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	5.42181 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_AutoStream	186.717 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	11.31423 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	76.52251 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	27.16118 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	306.23951 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	293.06251 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.95697	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PINE **Visit Date:** 11/23/2006 2:00 PM

Activity: 061123140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	7.1812	Detected and Quantified	F	Actual				12/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	182.90289 µeq/L	Detected and Quantified	F	Actual				12/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	32.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		12/1/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	128.97142 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_AutoStream	107.64309 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	68.61289 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	5.33962 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	196.129 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	6.86125 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	78.43412 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	28.91702 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	310.57352 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	297.11528 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.95667	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PINE **Visit Date:** 11/23/2006 4:00 PM

Activity: 061123160001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	7.144	Detected and Quantified	F	Actual				12/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Metrohm_AutoStream	180.57801 µeq/L	Detected and Quantified	F	Actual			12/1/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	32.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	12/1/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_AutoStream	128.41917 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	106.28253 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	67.40187 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	5.38641 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	190.485 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	77.03986 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	26.90492 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	307.49648 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	284.56329 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.92542	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 11/23/2006 2:00 AM

Activity: 061123020001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	7.1605	Detected and Quantified	F	Actual				12/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	181.27626 µeq/L	Detected and Quantified	F	Actual				12/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	31.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		12/1/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	126.11447 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	103.80035 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	67.56769 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	6.12927 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	193.506 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	70.60313 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	27.15138 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_AUTO	303.61828 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_MET_IC2_AUTO	279.07127 µeq/L	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_MET_IC2_AUTO	0.91915	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PINE **Visit Date:** 11/23/2006 12:00 AM

Activity: 061123000001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	7.174	Detected and Quantified	F	Actual				12/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	179.55963 µeq/L	Detected and Quantified	F	Actual				12/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	31.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		12/1/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	124.66115 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	102.25765 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	66.86301 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	5.97661 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	189.024 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	1.55272 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_AutoStream	68.47393 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_AutoStream	27.30874 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_AUTO	299.76492 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_MET_IC2_AUTO	276.89502 µeq/L	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_MET_IC2_AUTO	0.92371	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PINE **Visit Date:** 11/24/2006 4:00 AM

Activity: 061124040001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	7.147	Detected and Quantified	F	Actual				12/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	174.60332 µeq/L	Detected and Quantified	F	Actual				12/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	31.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		12/1/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	126.12782 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	103.98787 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	65.75349 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	5.18476 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_AutoStream	185.937 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	7.79461 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	78.55279 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	26.84677 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	301.06044 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	287.79749 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.95595	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PINE **Visit Date:** 11/24/2006 2:00 AM

Activity: 061124020001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	7.1697	Detected and Quantified	F	Actual				12/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	173.28575 µeq/L	Detected and Quantified	F	Actual				12/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	31.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		12/1/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	124.99845 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_AutoStream	103.44015 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	65.92175 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	5.12897 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	185.206 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	1.88367 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	78.15529 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	26.62892 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	299.49582 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	279.95363 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.93475	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PINE **Visit Date:** 11/24/2006 10:00 AM

Activity: 061124100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	7.156	Detected and Quantified	F	Actual				12/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Metrohm_AutoStream	173.51536 µeq/L	Detected and Quantified	F	Actual			12/1/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	31.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	12/1/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_AutoStream	123.37951 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	103.14455 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	66.56127 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	5.0356 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	188.128 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	3.99432 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	78.59705 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	26.81219 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	298.12743 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	282.91892 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.94899	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 11/24/2006 8:00 AM

Activity: 061124080001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	7.1894	Detected and Quantified	F	Actual				12/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	174.86014 µeq/L	Detected and Quantified	F	Actual				12/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	31.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		12/1/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	125.24425 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	103.90726 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	66.42079 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	5.01666 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	188.526 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	4.61271 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	79.02979 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	26.91757 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_AUTO	300.59546 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_MET_IC2_AUTO	285.42021 µeq/L	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_MET_IC2_AUTO	0.94952	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PINE **Visit Date:** 11/24/2006 6:00 AM

Activity: 061124060001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	7.1635	Detected and Quantified	F	Actual				12/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	175.29813 µeq/L	Detected and Quantified	F	Actual				12/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	31.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		12/1/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	126.06089 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	104.44957 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	66.44045 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	5.14195 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	186.667 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	8.4033 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_AutoStream	78.92323 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_AutoStream	26.947 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_AUTO	302.09936 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_MET_IC2_AUTO	289.57166 µeq/L	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_MET_IC2_AUTO	0.95853	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 11/24/2006 12:00 PM

Activity: 061124120001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	7.1914	Detected and Quantified	F	Actual				12/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	174.47151 µeq/L	Detected and Quantified	F	Actual				12/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	31.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		12/1/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	124.88818 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	103.45565 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	67.00343 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	5.16106 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_AutoStream	189.24 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	8.94061 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	79.24436 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	27.42988 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	300.51482 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	290.08636 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.9653	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** PINE **Visit Date:** 11/29/2006 11:15 AM

Visit Comment: FAD // //clear,
mild
significant rain

Activity: 061129111501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	7.1679	Detected and Quantified	F	Actual				11/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	188.92737 µeq/L	Detected and Quantified	F	Actual				11/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	31.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/30/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	124.15792 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	103.044 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	70.03028 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	5.3023 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	189.472 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	5.93745 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	68.94189 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	27.52314 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	302.541 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	291.32985 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.96294	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06112911150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9 °C	Detected and Quantified	F	Actual				11/29/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 12/6/2006 11:40 AM
Visit Comment: FAD //clear,
cold
light rain on Friday

Activity: 061206114001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	7.1059	Detected and Quantified	F	Actual				12/7/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	186.82214 µeq/L	Detected and Quantified	F	Actual				12/7/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	31.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		12/7/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	122.73186 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	103.38539 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	69.35258 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	4.78666 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	186.501 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	8.37724 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	64.45339 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	28.48723 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	300.26299 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_MET_IC2_GRAB	288.14 µeq/L	Detected and Quantified	F	Actual				4/23/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_MET_IC2_GRAB	0.95963	Detected and Quantified	F	Actual				4/23/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06120611400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4.5 °C	Detected and Quantified	F	Actual				12/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 12/13/2006 11:20 AM
Visit Comment: FAD // //clear,
mild
light rain last night

Activity: 061213112001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	7.1095	Detected and Quantified	F	Actual				12/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	190.15262 µeq/L	Detected and Quantified	F	Actual				12/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	31.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		12/14/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	123.81702 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	103.29655 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Na_Ions_Grab	70.24495 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	4.79174 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	182.102 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	4.20484 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	61.10355 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	28.5978 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	302.15676 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	284.05881 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.9401	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06121311200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6 °C	Detected and Quantified	F	Actual				12/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 12/20/2006 12:40 PM
Visit Comment: FAD //clear,
cold
mild, dry

Activity: 061220124001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.6625	Detected and Quantified	F	Actual				1/4/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	199.0919 µeq/L	Detected and Quantified	F	Actual				1/4/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	31 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/4/2007				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	124.08829 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	103.66947 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	72.73743 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	4.927 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	189.423 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	57.31002 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	29.16084 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	305.42869 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_MET_IC2_GRAB	285.60326 µeq/L	Detected and Quantified	F	Actual				4/23/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_MET_IC2_GRAB	0.93509	Detected and Quantified	F	Actual				4/23/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06122012400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	7 °C	Detected and Quantified	F	Actual				12/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** PINE **Visit Date:** 12/28/2006 11:50 AM
Visit Comment: FAD // //clear,
cool.
some rain

Activity: 061228115001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.7927	Detected and Quantified	F	Actual				1/4/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	194.76097 µeq/L	Detected and Quantified	F	Actual				1/4/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	33.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/4/2007				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	131.18539 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	110.05899 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Na_Ions_Grab	73.55932 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	4.97882 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	197.191 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	71.97794 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	28.26947 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	319.78902 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	295.04888 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.92264	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06122811500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	7 °C	Detected and Quantified	F	Actual				12/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 1/4/2005 9:15 AM
Visit Comment: SUSIE MABEN // // Unseasonably warm, partly cloudy Dry

Activity: 050104091501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.82	Detected and Quantified	F	Actual				1/6/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	83.3 µeq/L	Detected and Quantified	F	Actual				1/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/6/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	63.672 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	26.83 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	62.205 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	9.702 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	143.192 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		2/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.048.												
SO4_IC_Grab	49.088 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	22.757 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	162.409 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	155.2455 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.95589	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05010409150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9 °C	Detected and Quantified	F	Actual				1/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 1/11/2005 9:15 AM
Visit Comment: SUSIE MABEN // Replaced ISCO inlet tubing. // Cloudy, warm Unseasonably warm, some rain

Activity: 050111091501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.87	Detected and Quantified	F	Actual				1/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	84.3 µeq/L	Detected and Quantified	F	Actual				1/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/13/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	63.523 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	27.241 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	62.597 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	9.498 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	142.743 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	2/23/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.08.							
SO4_IC_Grab	47.278 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	22.927 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	162.859 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	154.6055 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.94932	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05011109150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	7.9 °C	Detected and Quantified	F	Actual				1/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 1/18/2005 4:25 PM
Visit Comment: SUSIE MABEN // // Very cold, sunny Rain, then turned cold

Activity: 050118162501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.28	Detected and Quantified	F	Actual				1/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	73.7 µeq/L	Detected and Quantified	F	Actual				1/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	18 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	1/22/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	63.323 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	27.9 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	58.682 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	8.883 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	139.008 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	2/23/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	53.83 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	22.363 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	158.788 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	149.9935 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.94461	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05011816250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	3 °C	Detected and Quantified	F	Actual				1/18/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 1/25/2005 9:15 AM
Visit Comment: SUSIE MABEN // // Cold, mostly cloudy Snow, cold

Activity: 050125091501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.77	Detected and Quantified	F	Actual				1/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	73.3 µeq/L	Detected and Quantified	F	Actual				2/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/27/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	60.03 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	26.254 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	59.9 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	8.525 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	140.635 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		2/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_TC_Grab500	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/19/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.024.												
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.064.												
SO4_IC_Grab	48.464 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	22.532 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_AA_GRAB	154.709 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	144.3965 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.93334	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05012509150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	3.3 °C	Detected and Quantified	F	Actual				1/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 050125091 5S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Present <QL	*Present <QL	F	Actual	0.172339614 mg/l	0.548039971 mg/l		4/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.25.												
Non-filterable Residue	*Present <QL	*Present <QL	F	Actual	0.179602815 mg/l	0.571136951 mg/l		4/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.5.												

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 2/1/2005 9:00 AM
Visit Comment: SUSIE MABEN // // Clear, cool Cold, snow/sleet/freezing rain event

Activity: 050201090001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.75	Detected and Quantified	F	Actual				2/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	74.3 µeq/L	Detected and Quantified	F	Actual				2/23/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/2/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	61.277 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	26.501 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	58.638 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	8.371 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	141.432 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.048.												
SO4_IC_Grab	47.382 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	22.814 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	154.787 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	144.5965 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.93416	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05020109000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	3 °C	Detected and Quantified	F	Actual				2/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 2/8/2005 10:30 AM
Visit Comment: SUSIE MABEN, JOHN MABEN // // Warm, mostly sunny A little mixed precip., cool

Activity: 050208103001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.8	Detected and Quantified	F	Actual				2/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	75.8 µeq/L	Detected and Quantified	F	Actual				2/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/10/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	60.379 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	25.431 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	62.422 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	8.832 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	139.639 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	47.154 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	22.842 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	157.064 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	145.8965 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.9289	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05020810300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6.3 °C	Detected and Quantified	F	Actual				2/8/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 2/15/2005 9:20 AM
Visit Comment: SUSIE MABEN // // Mostly sunny, warm Mild, a little rain

Activity: 050215092001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.82	Detected and Quantified	F	Actual				2/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	71.8 µeq/L	Detected and Quantified	F	Actual				2/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	18 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	2/17/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	61.826 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	26.418 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	61.857 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	8.73 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	138.427 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	47.154 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	23.096 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	158.831 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	142.1505 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.89498	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05021509200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	5 °C	Detected and Quantified	F	Actual				2/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 2/22/2005 9:05 AM
Visit Comment: SUSIE MABEN // // Mild, clouds east of Blue Ridge Rain 2/21/05

Activity: 050222090501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.85	Detected and Quantified	F	Actual				2/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	68.7 µeq/L	Detected and Quantified	F	Actual				3/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/24/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	63.523 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	26.748 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	60.726 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	8.909 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	131.987 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.048.												
SO4_IC_Grab	47.258 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	21.996 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	159.906 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	138.0545 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.86335	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05022209050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	5.7 °C	Detected and Quantified	F	Actual				2/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 3/1/2005 9:10 AM
Visit Comment: SUSIE MABEN // // Cold, partly sunny 2 snow events, cold

Activity: 050301091001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.81	Detected and Quantified	F	Actual				3/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	64.3 µeq/L	Detected and Quantified	F	Actual				3/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/3/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	61.427 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	26.418 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	61.248 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	8.422 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	134.842 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	48.651 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	22.109 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	157.515 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	135.1605 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.85808	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05030109100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	3 °C	Detected and Quantified	F	Actual				3/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 3/8/2005 8:55 AM
Visit Comment: SUSIE MABEN // // Drastic temp. drop, AM rain turned to snow, then clearing, windy & cold. Wintry mix precip. events, warm yesterday.

Activity: 050308085501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.76	Detected and Quantified	F	Actual				3/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	67.8 µeq/L	Detected and Quantified	F	Actual				3/14/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	17.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	3/10/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	62.724 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	26.748 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	61.204 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	9.165 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	125.031 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.032.							
SO4_IC_Grab	50.419 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	20.868 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	159.841 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	139.1875 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.87079	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05030808550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6.2 °C	Detected and Quantified	F	Actual				3/8/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

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Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 3/15/2005 8:40 AM
Visit Comment: SUSIE MABEN // // Sunny, cool Cool, some mixed precip.

Activity: 050315084001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.78	Detected and Quantified	F	Actual				3/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	66.8 µeq/L	Detected and Quantified	F	Actual				3/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/17/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	62.624 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	26.994 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	62.988 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	8.73 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	132.949 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_TC_Grab500	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/19/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of -0.005.												
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		11/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.064.												
SO4_IC_Grab	54.122 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	22.25 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_AA_GRAB	161.336 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	143.2725 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.88804	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05031508400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4.5 °C	Detected and Quantified	F	Actual				3/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 3/22/2005 10:50 AM
Visit Comment: SUSIE MABEN, JOHN MABEN // // Mostly sunny Dry

Activity: 050322105001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.89	Detected and Quantified	F	Actual				3/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	64.4 µeq/L	Detected and Quantified	F	Actual				3/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/24/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	61.078 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	26.171 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	63.162 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_AA_Grab	8.858 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	129.347 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	51.022 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	22.588 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	159.269 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	138.1105 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.86715	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05032210500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	7.2 °C	Detected and Quantified	F	Actual				3/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 3/29/2005 2:40 PM
Visit Comment: SUSIE MABEN, DOUG TOBIAS // // Warm, clearing to sunny Rain, cool

Activity: 050329144001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.77	Detected and Quantified	F	Actual				3/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	58.6 µeq/L	Detected and Quantified	F	Actual			4/4/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	19.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	3/31/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	67.864 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	29.134 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	60.857 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	10.65 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	129.497 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_TC_Grab500	4.1 µeq/L	Detected and Quantified	F	Actual	0.42 ueq/L	1.336 ueq/L	9/22/2005
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	1.562 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	63.357 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	20.924 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	168.505 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	144.443 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.8572	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05032914400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11 °C	Detected and Quantified	F	Actual				3/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 4/5/2005 1:50 PM
Visit Comment: DOUG TOBIAS, SUSIE MABEN // // Warm, sunny Precip. over weekend

Activity: 050405135001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.83	Detected and Quantified	F	Actual				4/7/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	67.9 µeq/L	Detected and Quantified	F	Actual				4/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/7/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	62.225 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	26.583 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	62.379 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	10.138 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	132.153 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		11/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.048.												

SO4_IC_Grab	54.538 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/11/2005
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_IC_Grab	21.319 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/11/2005
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_AA_GRAB	161.325 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC1_GRAB	143.8575 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC1_AA_GRAB	0.89172	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 05040513500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11.2 °C	Detected and Quantified	F	Actual				4/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 4/12/2005 3:00 PM
Visit Comment: DOUGLAS TOBIAS // // Cold, cloudy, some sprinkles Moderate temps., some rain

Activity: 050412150001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.95	Detected and Quantified	F	Actual				4/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	68.7 µeq/L	Detected and Quantified	F	Actual				4/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/13/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	62.425 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_AA_Grab	26.418 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	61.03 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	9.702 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	134.991 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_TC_Grab500	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L	9/22/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.111.							
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.064.							
SO4_IC_Grab	48.318 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	21.883 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	159.575 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	139.0015 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.87107	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05041215000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9.8 °C	Detected and Quantified	F	Actual				4/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 4/19/2005 2:00 PM
Visit Comment: DOUGLAS TOBIAS // // Warm, some rain Warm, mostly clear

Activity: 050419140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.96	Detected and Quantified	F	Actual				4/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	70.4 µeq/L	Detected and Quantified	F	Actual				4/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/21/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	62.824 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	26.501 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	63.119 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	10.291 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	135.456 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.048.												
SO4_IC_Grab	48.006 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	22.278 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	162.735 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	140.7845 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.86512	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05041914000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	13.3 °C	Detected and Quantified	F	Actual				4/19/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 4/26/2005 1:35 PM
Visit Comment: DOUGLAS TOBIAS // // Cool, partly cloudy, windy Cool, some rain & thunder

Activity: 050426133501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.93	Detected and Quantified	F	Actual				4/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	73.6 µeq/L	Detected and Quantified	F	Actual				5/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/27/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	62.375 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	26.418 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	63.119 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	10.061 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	136.834 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_TC_Grab500	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L	9/22/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.222.							
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.032.							
SO4_IC_Grab	48.298 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	22.306 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	161.973 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	144.3045 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.89092	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05042613350F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12 °C	Detected and Quantified	F	Actual				4/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 050426133 5S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	0.85 mg/l	Detected and Quantified	F	Actual	0.172339614 mg/l	0.548039971 mg/l		7/18/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Non-filterable Residue	2.15 mg/l	Detected and Quantified	F	Actual	0.179602815 mg/l	0.571136951 mg/l		7/18/2005
Dilution: N	*Recovery:* N	*Correction:* N						

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 5/3/2005 2:15 PM
Visit Comment: DOUGLAS TOBIAS // // Cool, partly cloudy Warm, partly cloudy, scattered rain showers

Activity: 050503141501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.96	Detected and Quantified	F	Actual				5/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	70.3 µeq/L	Detected and Quantified	F	Actual				5/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/4/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	63.573 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	26.583 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	63.466 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	9.856 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	138.809 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.032.												
SO4_IC_Grab	49.837 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cl_IC_Grab	22.588 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_AA_GRAB	163.478 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC1_GRAB	142.8255 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC1_AA_GRAB	0.87367	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 05050314150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11.5 °C	Detected and Quantified	F	Actual				5/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 5/10/2005 1:00 PM
Visit Comment: DOUGLAS TOBIAS // // Warm, cloudy Cool to warm, partly cloudy

Activity: 050510130001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.06	Detected and Quantified	F	Actual				5/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	71.1 µeq/L	Detected and Quantified	F	Actual				5/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/12/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	63.323 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	26.336 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Na_AA_Grab	64.293 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	10.189 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	138.311 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_TC_Grab500	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L	9/22/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.166.							
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	48.838 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	22.137 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	164.141 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	142.1755 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.86618	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05051013000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	15 °C	Detected and Quantified	F	Actual				5/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** STAN **Visit Date:** 5/17/2005 3:30 PM

Visit Comment: DOUGLAS TOBIAS, SUSIE MABEN // // Cool, partly cloudy Thunderstorms over weekend, warm

Activity: 050517153001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.95	Detected and Quantified	F	Actual				5/19/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	83.6 µeq/L	Detected and Quantified	F	Actual				5/19/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/19/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	65.02 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	27.159 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	66.816 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	10.624 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	141.897 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		11/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.064.												
SO4_IC_Grab	47.486 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	22.137 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	169.619 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	153.3235 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.90393	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05051715300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	13.7 °C	Detected and Quantified	F	Actual				5/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 5/24/2005 3:20 PM
Visit Comment: DOUGLAS TOBIAS // Raining while at site // Cool, cloudy, light rain Cool, partly cloudy, some heavy rain, and thunder

Activity: 050524152001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.03	Detected and Quantified	F	Actual				5/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	81.1 µeq/L	Detected and Quantified	F	Actual				5/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/26/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	65.668 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	27.57 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	64.293 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	10.496 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	139.938 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_TC_Grab500	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L	9/22/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.166.							
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	49.899 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	21.15 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	168.027 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	152.2495 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA _GRAB	0.9061	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05052415200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12.3 °C	Detected and Quantified	F	Actual				5/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 5/31/2005 4:05 PM
Visit Comment: DOUGLAS TOBIAS // // Cool, partly cloudy Cool, partly cloudy, some light rain

Activity: 050531160501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.02	Detected and Quantified	F	Actual				6/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	81.1 µeq/L	Detected and Quantified	F	Actual				6/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		6/2/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	64.97 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	27.077 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	63.293 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	10.65 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	141.166 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		11/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.016.												
SO4_IC_Grab	47.632 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	21.404 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	165.99 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	150.2365 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.90509	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05053116050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	15.5 °C	Detected and Quantified	F	Actual				5/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 6/7/2005 12:40 PM
Visit Comment: DOUGLAS TOBIAS // // Hot, partly cloudy Cool, cloudy, rain

Activity: 050607124001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.04	Detected and Quantified	F	Actual				6/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	86.1 µeq/L	Detected and Quantified	F	Actual				6/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		6/9/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	64.82 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	27.077 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	63.771 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	10.957 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	141.93 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_TC_Grab500	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L	9/22/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.055.							
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.032.							
SO4_IC_Grab	46.821 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	20.53 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	166.625 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	153.5515 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA _GRAB	0.92154	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05060712400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18.3 °C	Detected and Quantified	F	Actual				6/7/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 6/14/2005 1:05 PM
Visit Comment: DOUGLAS TOBIAS // // Hot, mostly sunny Hot, partly cloudy, some brief rain and thunder storms

Activity: 050614130501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.09	Detected and Quantified	F	Actual				6/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	86.7 µeq/L	Detected and Quantified	F	Actual				6/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		6/16/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	66.966 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	27.735 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	63.684 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	11.443 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	143.856 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		11/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.032.												
SO4_IC_Grab	44.117 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	20.727 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	169.828 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	151.6445 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.89293	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05061413050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	19 °C	Detected and Quantified	F	Actual				6/14/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 6/21/2005 2:30 PM
Visit Comment: DOUGLAS TOBIAS // // Cool, cloudy Cool to warm, partly cloudy

Activity: 050621143001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.03	Detected and Quantified	F	Actual				6/23/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	86.7 µeq/L	Detected and Quantified	F	Actual				6/23/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		6/23/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	67.565 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	27.982 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	62.727 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	10.675 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	143.391 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.08.							
SO4_IC_Grab	42.598 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	21.178 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	168.949 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	150.5765 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.89125	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05062114300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	17 °C	Detected and Quantified	F	Actual				6/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 6/28/2005 11:55 AM
Visit Comment: DOUGLAS TOBIAS, CHRIS MOORE // // Clear, warm, dry Hot, dry, partly cloudy

Activity: 050628115501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.48	Detected and Quantified	F	Actual				7/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	105.4 µeq/L	Detected and Quantified	F	Actual				7/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	18.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	7/11/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	67.116 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	27.982 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	66.294 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	11.29 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	147.076 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.032.							
SO4_IC_Grab	42.328 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	21.094 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	172.682 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	168.9225 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.97823	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05062811550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	20.5 °C	Detected and Quantified	F	Actual				6/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 7/5/2005 12:05 PM
Visit Comment: CHRIS MOORE, ALLEN SMITH // // Cloudy, rainy Hot, scattered T-storms

Activity: 050705120501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.36	Detected and Quantified	F	Actual				7/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	107.8 µeq/L	Detected and Quantified	F	Actual				7/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/11/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	69.96 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	29.381 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	69.513 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	12.006 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	147.408 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.048.												
SO4_IC_Grab	42.203 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	22.137 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	180.86 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	172.2405 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.95234	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05070512050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	19 °C	Detected and Quantified	F	Actual				7/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 7/8/2005 2:00 AM
Visit Comment: // //

Activity: 050708020001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.53	Detected and Quantified	F	Actual				7/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	83.5 µeq/L	Detected and Quantified	F	Actual				7/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	17.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/15/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	94.76 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_AutoStream	33.99 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_AutoStream	51.243 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_AutoStream	16.922 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_AutoStream	127.455 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_TC_AutoStream	11.135 µeq/L	Detected and Quantified	F	Actual	0.42 ueq/L	1.336 ueq/L	9/22/2005
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.016.							
SO4_IC_AutoStream	42.598 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	14.777 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	196.915 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	140.9755 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.71592	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 7/8/2005 4:00 AM
Visit Comment: // //

Activity: 050708040001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.58	Detected and Quantified	F	Actual				7/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	71.1 µeq/L	Detected and Quantified	F	Actual				7/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	17.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/15/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_AA_AutoStream	66.766 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_AutoStream	27.735 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_AutoStream	47.415 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_AutoStream	15.565 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	100.314 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_TC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L	9/22/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.222.							
NO3_IC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.016.							
SO4_IC_AutoStream	45.386 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	12.07 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	157.481 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	128.6565 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA _AUTO	0.81697	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

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Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 7/8/2005 6:00 AM
Visit Comment: // //

Activity: 050708060001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.56	Detected and Quantified	F	Actual				7/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	74.5 µeq/L	Detected and Quantified	F	Actual				7/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	18.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/15/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	74.401 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_AutoStream	30.286 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_AutoStream	48.328 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_AutoStream	14.643 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	103.65 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_TC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.111.												
NO3_IC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.016.												
SO4_IC_AutoStream	48.443 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_AutoStream	11.252 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_AA_AUTO	167.658 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_2PT_IC1_AUTO	134.2955 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC1_AA_AUTO	0.80101	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 7/8/2005 8:00 AM
Visit Comment: // //

Activity: 050708080001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.76	Detected and Quantified	F	Actual				7/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	63.6 µeq/L	Detected and Quantified	F	Actual				7/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	19.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/15/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	75.698 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_AutoStream	31.109 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_AutoStream	52.026 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_AutoStream	13.286 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	113.013 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NH4_TC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L	9/22/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.111.							
NO3_IC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.032.							
SO4_IC_AutoStream	51.48 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	12.013 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	172.119 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	127.1935 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.73899	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 7/8/2005 10:00 AM
Visit Comment: // //

Activity: 050708100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.65	Detected and Quantified	F	Actual				7/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	77 µeq/L	Detected and Quantified	F	Actual				7/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	19.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/15/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	76.547 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_AA_AutoStream *Dilution:* N	31.603 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Na_AA_AutoStream *Dilution:* N	55.723 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
K_AA_AutoStream *Dilution:* N	13.133 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
SiO2_TC_AutoStream *Dilution:* N	120.632 µmol/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
NH4_TC_AutoStream *Dilution:* N *Result Comment:* Reported value of 0.111.	*Non-detect *Recovery:* N	*Non-detect *Correction:* N	F	Actual	0.42 ueq/L	1.336 ueq/L	9/22/2005
NO3_IC_AutoStream *Dilution:* N *Result Comment:* Reported value of 0.032.	*Non-detect *Recovery:* N	*Non-detect *Correction:* N	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
SO4_IC_AutoStream *Dilution:* N	53.581 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Cl_IC_AutoStream *Dilution:* N	14.382 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
SBC_AA_AUTO *Dilution:* N	177.006 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/6/2008
SAA_2PT_IC1_AUTO *Dilution:* N	145.0635 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/6/2008
IONRATIO_2PT_IC1_AA_AUTO *Dilution:* N	0.81954 *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/6/2008

NPSTORET Results with Comments

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Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 7/12/2005 12:50 PM
Visit Comment: CHRIS MOORE // Looked to be a group of campers leaving site. I believe they were swimming at the site. // Cloudy, hot Hot, T-storms

Activity: 050712125001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.5	Detected and Quantified	F	Actual				7/14/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	90.3 µeq/L	Detected and Quantified	F	Actual				7/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/14/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	67.914 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	27.982 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	61.161 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	10.342 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	138.925 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.016.												
SO4_IC_Grab	47.112 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	19.966 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	167.399 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	157.4785 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.94074	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05071212500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	19 °C	Detected and Quantified	F	Actual				7/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 7/14/2005 12:00 AM
Visit Comment: // //

Activity: 050714000001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.57	Detected and Quantified	F	Actual				7/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	86.5 µeq/L	Detected and Quantified	F	Actual				8/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	18 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/21/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	64.77 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_AutoStream	27.241 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_AutoStream	57.116 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_AutoStream	11.546 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_AutoStream	126.89 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_TC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L	9/22/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.055.							
NO3_IC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.032.							
SO4_IC_AutoStream	45.552 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	16.638 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	160.673 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	148.7905 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.92605	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** STAN **Visit Date:** 7/17/2005 4:00 PM

Visit Comment: // //

Activity: 050717160001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.61	Detected and Quantified	F	Actual				7/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	87.4 µeq/L	Detected and Quantified	F	Actual				8/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	18 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/21/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_AA_AutoStream	63.423 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_AutoStream	26.748 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_AutoStream	56.42 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_AutoStream	12.774 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	125.513 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_TC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L	9/22/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.055.							
NO3_IC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.032.							
SO4_IC_AutoStream	48.006 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	17.371 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	159.365 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	152.8775 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.95929	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

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Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 7/17/2005 6:00 PM
Visit Comment: // //

Activity: 050717180001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.74	Detected and Quantified	F	Actual				7/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	86.7 µeq/L	Detected and Quantified	F	Actual				8/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	18.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/21/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	68.612 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_AutoStream	28.805 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_AutoStream	57.246 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_AutoStream	12.954 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	123.736 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_TC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.055.												
NO3_IC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.032.												
SO4_IC_AutoStream	48.963 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_AutoStream	16.187 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_AA_AUTO	167.617 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_2PT_IC1_AUTO	151.9505 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC1_AA_AUTO	0.90653	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 7/17/2005 8:00 PM
Visit Comment: // //

Activity: 050717200001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.84	Detected and Quantified	F	Actual				7/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	88.6 µeq/L	Detected and Quantified	F	Actual				8/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	18.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/21/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	73.602 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_AutoStream	30.698 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_AutoStream	57.028 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_AutoStream	12.134 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	125.894 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_TC_AutoStream	1.717 µeq/L	Detected and Quantified	F	Actual	0.42 ueq/L	1.336 ueq/L		9/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_IC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_AutoStream	49.234 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	18.612 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	173.462 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	156.5465 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.90248	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 7/19/2005 1:40 PM
Visit Comment: CHRIS MOORE // // Cloudy, hot, humid Hot, humid

Activity: 050719134001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.47	Detected and Quantified	F	Actual				7/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	92.9 µeq/L	Detected and Quantified	F	Actual				8/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/21/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	72.255 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	29.71 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Na_AA_Grab	65.032 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	10.701 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	143.723 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	57.554 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	22.137 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	177.698 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	172.6915 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.97183	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05071913400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18 °C	Detected and Quantified	F	Actual				7/19/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 7/19/2005 4:00 PM
Visit Comment: // //

Activity: 050719160001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.62	Detected and Quantified	F	Actual				7/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	84.2 µeq/L	Detected and Quantified	F	Actual				8/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	18.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/21/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	70.459 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_AutoStream	29.546 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_AutoStream	61.422 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_AutoStream	11.699 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	134.875 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_TC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.111.												
NO3_IC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.048.												
SO4_IC_AutoStream	53.893 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_AutoStream	19.458 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_AA_AUTO	173.126 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_2PT_IC1_AUTO	157.6515 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC1_AA_AUTO	0.91062	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 7/21/2005 8:00 PM
Visit Comment: // //

Activity: 050721200001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.84	Detected and Quantified	F	Actual				7/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	80.4 µeq/L	Detected and Quantified	F	Actual				8/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/28/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_AutoStream	67.215 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_AutoStream	28.476 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_AutoStream	60.422 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_AutoStream	10.65 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	134.809 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NH4_TC_AutoStream	*Present <QL	*Present <QL	F	Actual	0.42 ueq/L	1.336 ueq/L	9/22/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 1.053.							
NO3_IC_AutoStream	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_AutoStream	48.173 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_AutoStream	19.599 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_AUTO	166.763 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_AUTO	148.2725 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_AUTO	0.88912	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 7/26/2005 11:30 AM
Visit Comment: CHRIS MOORE // // Clear, hot Hot, humid, dry

Activity: 050726113001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.93	Detected and Quantified	F	Actual				7/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	88.7 µeq/L	Detected and Quantified	F	Actual				8/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/28/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	67.365 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_AA_Grab	27.9 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	63.249 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	9.984 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	143.872 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_TC_Grab500	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L	9/22/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.055.							
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	46.966 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	19.909 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	168.498 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	155.6755 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.9239	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05072611300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18.5 °C	Detected and Quantified	F	Actual				7/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0507261130S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	1.07143 mg/l	Detected and Quantified	F	Actual	0.172339614 mg/l	0.548039971 mg/l		9/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Non-filterable Residue	3.36735 mg/l	Detected and Quantified	F	Actual	0.179602815 mg/l	0.571136951 mg/l		9/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 8/3/2005 7:20 AM
Visit Comment: CHRIS MOORE // // Clear, warm Hot, dry

Activity: 050803072001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.84	Detected and Quantified	F	Actual				8/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	100.4 µeq/L	Detected and Quantified	F	Actual				8/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/5/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	69.062 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	29.052 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	65.989 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	10.624 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	147.69 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.016.							
SO4_IC_Grab	43.222 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	20.755 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	174.727 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	164.4775 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.94134	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05080307200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18 °C	Detected and Quantified	F	Actual				8/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 8/10/2005 12:05 PM
Visit Comment: CHRIS MOORE // // Clear, hot Hot, scattered T-storms

Activity: 050810120501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.13	Detected and Quantified	F	Actual				8/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	96.9 µeq/L	Detected and Quantified	F	Actual				8/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	19.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	8/12/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	70.509 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	28.558 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	63.075 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	10.752 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	148.172 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.016.							
SO4_IC_Grab	42.515 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	20.727 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	172.894 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	160.2425 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.92683	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05081012050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	19.5 °C	Detected and Quantified	F	Actual				8/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 8/17/2005 9:20 AM
Visit Comment: CHRIS MOORE // // Partly cloudy, warm Hot, scattered T-storms

Activity: 050817092001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.06	Detected and Quantified	F	Actual				8/18/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	107 µeq/L	Detected and Quantified	F	Actual				8/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/18/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	71.956 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	29.793 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	64.119 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	11.034 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	148.487 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.048.												
SO4_IC_Grab	42.099 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	20.868 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	176.902 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	170.0675 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.96137	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05081709200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	19.5 °C	Detected and Quantified	F	Actual				8/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 8/23/2005 8:30 AM
Visit Comment: SUSIE MABEN // // Mostly cloudy, warm Hot, humid, scattered thunderstorms

Activity: 050823083001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.47	Detected and Quantified	F	Actual				8/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	107.8 µeq/L	Detected and Quantified	F	Actual				8/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/26/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	70.559 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	29.628 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	65.032 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	10.854 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	150.977 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	42.307 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	21.065 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	176.073 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	171.2725 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.97274	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05082308300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18 °C	Detected and Quantified	F	Actual				8/23/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 8/30/2005 8:40 AM
Visit Comment: SUSIE MABEN // // Mostly cloudy, some light rain Hot and humid

Activity: 050830084001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.57	Detected and Quantified	F	Actual				9/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	113.7 µeq/L	Detected and Quantified	F	Actual				9/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	19.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	9/1/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	75.099 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	31.768 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	63.336 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	11.136 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	149.583 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	41.974 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	20.614 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	181.339 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	176.3885 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.9727	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05083008400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18.7 °C	Detected and Quantified	F	Actual				8/30/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 9/6/2005 4:20 PM
Visit Comment: SUSIE MABEN // // Warm, mostly sunny Fair, little rain

Activity: 050906162001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.69	Detected and Quantified	F	Actual				9/8/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	97.2 µeq/L	Detected and Quantified	F	Actual				9/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/8/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	73.303 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	30.204 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	68.512 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	12.006 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	150.296 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.048.												
SO4_IC_Grab	42.078 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	20.473 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	184.025 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	159.8515 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.86864	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05090616200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18 °C	Detected and Quantified	F	Actual				9/6/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 9/13/2005 8:45 AM
Visit Comment: SUSIE MABEN // // Sunny, hot Dry, hot days, cool nights

Activity: 050913084501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.14	Detected and Quantified	F	Actual				9/14/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	110.3 µeq/L	Detected and Quantified	F	Actual				9/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/14/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	74.102 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	31.109 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	60.248 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	9.958 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	150.944 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_TC_Grab500	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L	12/8/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.055.							
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	41.87 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	22.25 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	175.417 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	174.5205 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA _GRAB	0.99489	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05091308450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	16.2 °C	Detected and Quantified	F	Actual				9/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 9/20/2005 9:00 AM
Visit Comment: SUSIE MABEN // Snorkel in pool. // Warm, some cloudiness Warm, some precip. 9/16/05

Activity: 050920090001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.16	Detected and Quantified	F	Actual				9/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	114.3 µeq/L	Detected and Quantified	F	Actual				9/23/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	22 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/21/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	74.351 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	31.356 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	70.47 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	12.16 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	148.504 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.064.												
SO4_IC_Grab	41.829 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	21.376 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	188.337 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	177.6055 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.94302	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05092009000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	17.8 °C	Detected and Quantified	F	Actual				9/20/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 9/27/2005 8:40 AM
Visit Comment: SUSIE MABEN // // Sunny, warm Warm, cloudy, a little rain

Activity: 050927084001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.6	Detected and Quantified	F	Actual				10/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	110.7 µeq/L	Detected and Quantified	F	Actual				10/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/30/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	76.098 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	31.768 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	70.122 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	12.365 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	150.994 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_TC_Grab500	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L	12/8/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.055.							
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.064.							
SO4_IC_Grab	41.496 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	22.447 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	190.353 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	174.7435 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA _GRAB	0.918	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05092708400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	17 °C	Detected and Quantified	F	Actual				9/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 10/4/2005 8:45 AM
Visit Comment: SUSIE MABEN // // Warm, partly cloudy Warm, dry

Activity: 051004084501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.99	Detected and Quantified	F	Actual				10/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	105.42639 µeq/L	Detected and Quantified	F	Actual				10/7/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/5/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	79.43682 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	30.11633 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	70.92092 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	11.55756 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	150.911 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/5/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	42.82053 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	22.44875 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	192.03813 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	170.73617 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.88907	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05100408450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	15.7 °C	Detected and Quantified	F	Actual				10/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 10/7/2005 10:00 AM
Visit Comment: // //

Activity: 051007100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.08	Detected and Quantified	F	Actual				10/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	88.5037 µeq/L	Detected and Quantified	F	Actual				10/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	19.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/21/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	68.1996 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	26.35881 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	56.98722 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	18.76127 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_AutoStream	128.052 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	1.7972 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	33.46643 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	25.94236 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	172.1041 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	147.95299 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.85967	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 10/7/2005 6:00 PM
Visit Comment: // //

Activity: 051007180001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.44	Detected and Quantified	F	Actual				10/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	87.86621 µeq/L	Detected and Quantified	F	Actual				10/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	19.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/21/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	85.07693 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_AutoStream	33.38253 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	52.96013 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	18.68659 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	106.29 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	9.17674 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	0.50444 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	48.04581 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	18.88509 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	199.28292 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	155.30155 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.7793	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 10/8/2005 6:00 AM
Visit Comment: // //

Activity: 051008060001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.25	Detected and Quantified	F	Actual				10/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_AutoStream	90.36594 µeq/L	Detected and Quantified	F	Actual			10/24/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	20.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	10/21/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_AutoStream	87.79303 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	32.70978 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	59.58567 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	15.82988 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	130.542 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/5/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	8.7062 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	0.46063 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	52.55732 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	21.18056 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	204.62456 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	164.56445 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.80423	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 10/8/2005 8:00 AM
Visit Comment: // //

Activity: 051008080001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.33	Detected and Quantified	F	Actual				10/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	96.16057 µeq/L	Detected and Quantified	F	Actual				10/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/21/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	86.02062 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	32.57543 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	58.59099 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	15.2318 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	129.397 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/5/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	6.26259 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	51.57623 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	19.92036 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_AUTO	198.68143 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_AUTO	167.69766 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_AUTO	0.84405	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 10/8/2005 10:00 AM
Visit Comment: // //

Activity: 051008100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.26	Detected and Quantified	F	Actual				10/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	89.39304 µeq/L	Detected and Quantified	F	Actual				10/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	19.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/21/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	77.52008 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	30.11595 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	52.83608 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	17.7569 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	116.847 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/5/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	5.9285 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	0.48642 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_AutoStream	49.35034 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	18.83886 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	184.15751 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	158.06866 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.85833	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 10/8/2005 10:00 PM
Visit Comment: // //

Activity: 051008220001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.29	Detected and Quantified	F	Actual				10/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	75.36752 µeq/L	Detected and Quantified	F	Actual				10/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/21/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	83.11476 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	33.98064 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	54.63502 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	15.02206 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_AutoStream	126.309 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/5/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	15.6386 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	0.44027 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	64.97198 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	19.10983 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	202.39108 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	159.8896 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.79	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 10/9/2005 2:00 AM
Visit Comment: // //

Activity: 051009020001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.28	Detected and Quantified	F	Actual				10/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	75.30973 µeq/L	Detected and Quantified	F	Actual				10/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/21/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	80.27717 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_AutoStream	31.33851 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	56.22119 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	14.53974 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	127.388 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/5/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	8.55833 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	64.23868 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	19.44527 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	190.93494 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	159.03418 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.83292	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 10/9/2005 6:00 AM
Visit Comment: // //

Activity: 051009060001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.35	Detected and Quantified	F	Actual				10/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_AutoStream	76.16253 µeq/L	Detected and Quantified	F	Actual			10/24/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	19.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	10/21/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_AutoStream	79.35201 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	30.74523 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	56.8159 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	13.40926 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	129.297 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/5/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	11.92809 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	0.53251 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	63.12847 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	20.27074 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	192.25049 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	160.09425 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.83274	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 10/9/2005 8:00 AM
Visit Comment: // //

Activity: 051009080001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.32	Detected and Quantified	F	Actual				10/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	77.8095 µeq/L	Detected and Quantified	F	Actual				10/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	19.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/21/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	77.6811 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	32.04666 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	59.32705 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	13.60353 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	129.463 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/5/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	11.86506 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	0.54747 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	61.03033 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	22.92318 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_AUTO	194.5234 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_AUTO	162.31048 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_AUTO	0.8344	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** STAN **Visit Date:** 10/11/2005 9:00 AM

Visit Comment: SUSIE MABEN // Raining during site visit // Cloudy, rain at times Heavy rain over weekend, warm

Activity: 051011090001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.27	Detected and Quantified	F	Actual				10/20/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	85.30881 µeq/L	Detected and Quantified	F	Actual				10/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/20/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	71.73371 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	28.28918 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	58.11165 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	11.14761 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	134.178 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/5/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	47.86029 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	20.90738 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	169.28865 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	154.11698 µeq/L	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.91038	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 05101109000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	14.5 °C	Detected and Quantified	F	Actual				10/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 10/11/2005 12:00 PM
Visit Comment: // //

Activity: 051011120001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.6	Detected and Quantified	F	Actual				10/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	80.30927 µeq/L	Detected and Quantified	F	Actual				10/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	17.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/21/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	72.04031 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_AutoStream	28.03531 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	57.1468 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	11.43759 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	135.456 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/5/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	2.9928 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	0.51783 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	46.35887 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	20.55478 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	171.65281 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	147.74075 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.8607	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 10/11/2005 4:00 PM
Visit Comment: // //

Activity: 051011160001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.76	Detected and Quantified	F	Actual				10/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_AutoStream	73.66278 µeq/L	Detected and Quantified	F	Actual			10/24/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	17.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	10/21/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_AutoStream	71.5098 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	29.11555 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	57.35779 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	11.01481 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	136.435 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/5/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	3.01727 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	0.75452 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	45.09272 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	21.25598 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	172.01522 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	140.766 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.81833	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 10/11/2005 6:00 PM
Visit Comment: // //

Activity: 051011180001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.71	Detected and Quantified	F	Actual				10/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	55.43235 µeq/L	Detected and Quantified	F	Actual				10/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	17.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/21/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	71.4024 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	28.10725 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	58.64431 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	10.77978 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	137.813 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/5/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	45.99918 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	21.24627 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_AUTO	168.94024 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_AUTO	122.7183 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_AUTO	0.7264	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 10/11/2005 10:00 PM
Visit Comment: // //

Activity: 051011220001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.7	Detected and Quantified	F	Actual				10/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	81.10466 µeq/L	Detected and Quantified	F	Actual				11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	18 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/21/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	71.00858 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	29.92445 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	58.59352 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	11.21831 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	137.78 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/5/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	1.71128 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_AutoStream	46.29297 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	21.90416 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	172.45614 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	149.34229 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.86597	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 10/12/2005 2:00 AM
Visit Comment: // //

Activity: 051012020001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.76	Detected and Quantified	F	Actual				10/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	86.10409 µeq/L	Detected and Quantified	F	Actual				11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	18 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/21/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	70.98123 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	29.1502 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	59.14488 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	11.16425 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_AutoStream	138.344 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/5/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	45.54727 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	21.13514 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	170.44706 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	152.827 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.89662	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** STAN **Visit Date:** 10/18/2005 9:35 AM

Visit Comment: SUSIE MABEN // // Warm, mostly sunny Dry, cool nights, warm days

Activity: 051018093501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.33	Detected and Quantified	F	Actual				10/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	89.5114 µeq/L	Detected and Quantified	F	Actual				11/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/21/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	68.4699 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_Grab	26.17343 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	61.69908 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	10.05038 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	142.76 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/5/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	43.21308 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	21.25292 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	166.39929 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	154.0179 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.92559	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05101809350F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12 °C	Detected and Quantified	F	Actual				10/18/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 10/25/2005 9:00 AM
Visit Comment: SUSIE MABEN // // Light rain, cool Occasional rain and clouds

Activity: 051025090001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.24	Detected and Quantified	F	Actual				10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	90.36594 µeq/L	Detected and Quantified	F	Actual				11/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	67.20264 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	28.24002 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	61.77798 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	12.03363 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	135.157 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/5/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	43.21085 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	22.57473 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	169.26077 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	156.19202 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.92279	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05102509000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10 °C	Detected and Quantified	F	Actual				10/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0510250900S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	0.55 mg/l	Detected and Quantified	F	Actual	0.172339614 mg/l	0.548039971 mg/l		1/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Non-filterable Residue	1.4 mg/l	Detected and Quantified	F	Actual	0.179602815 mg/l	0.571136951 mg/l		1/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 11/1/2005 9:00 AM
Visit Comment: SUSIE MABEN // // Warm, clear Cool nights, warm days, dry

Activity: 051101090001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.66	Detected and Quantified	F	Actual				11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	73.5532 µeq/L	Detected and Quantified	F	Actual				12/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	17.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	11/3/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	65.43211 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	27.92518 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	63.80389 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	10.15429 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	139.324 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	0.69051 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	43.82735 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	21.37039 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	167.32197 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	139.44145 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.83337	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05110109000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9.9 °C	Detected and Quantified	F	Actual				11/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 11/8/2005 9:00 AM
Visit Comment: SUSIE MABEN // // Mix of sun, clouds and rain Warm, dry

Activity: 051108090001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.99	Detected and Quantified	F	Actual				11/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	89.39304 µeq/L	Detected and Quantified	F	Actual				12/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/11/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	65.31486 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	27.09761 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	65.56625 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	10.65673 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	139.656 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	42.04387 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	21.39323 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	168.64195 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC2_GRAB	152.87064 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.90648	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05110809000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10.7 °C	Detected and Quantified	F	Actual				11/8/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 11/15/2005 9:10 AM
Visit Comment: SUSIE MABEN // // Warm, partly to mostly cloudy, some sun Mild, some precip.

Activity: 051115091001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.97	Detected and Quantified	F	Actual				11/18/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	91.71176 µeq/L	Detected and Quantified	F	Actual				12/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/18/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	64.64464 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	21.1622 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	65.18776 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_Grab	10.40455 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	140.602 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	41.06436 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	21.94208 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	161.40565 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	154.7587 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.95882	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05111509100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10 °C	Detected and Quantified	F	Actual				11/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 11/22/2005 8:55 AM
Visit Comment: SUSIE MABEN // // Rain, then clearing, cold & breezy Fall-like

Activity: 051122085501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.3	Detected and Quantified	F	Actual				11/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	91.16106 µeq/L	Detected and Quantified	F	Actual				12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/28/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	70.99253 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	30.59551 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	62.1713 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	12.35815 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	129.048 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	43.81557 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	23.0645 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	176.12399 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	158.08163 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.89756	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05112208550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	7.4 °C	Detected and Quantified	F	Actual				11/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 11/29/2005 4:00 AM
Visit Comment: // //

Activity: 051129040001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.57	Detected and Quantified	F	Actual				11/30/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	81.10466 µeq/L	Detected and Quantified	F	Actual				1/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	19.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/30/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	72.29926 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	31.21772 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	64.34268 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	18.60549 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_AutoStream	123.438 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	51.42477 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	34.04166 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	186.47165 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	166.61159 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.8935	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 11/29/2005 6:00 AM
Visit Comment: // //

Activity: 051129060001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.69	Detected and Quantified	F	Actual				11/30/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	76.89435 µeq/L	Detected and Quantified	F	Actual				1/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	20 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/30/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	74.5182 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_AutoStream	34.6682 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	57.5206 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	19.82711 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	113.444 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	4.59982 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	52.78344 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	32.8066 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	191.13393 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	162.52489 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.85032	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** STAN **Visit Date:** 11/29/2005 9:00 AM

Visit Comment: SUSIE MABEN // Raining during site visit. // Rain heavy at times, windy, mild Some precip., fall-like

Activity: 051129090001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.72	Detected and Quantified	F	Actual				11/30/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	84.51189 µeq/L	Detected and Quantified	F	Actual			1/6/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	21.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	11/30/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	82.99472 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	35.85703 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	62.69407 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	17.63992 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	114.374 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	62.94924 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	33.16184 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/15/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	199.19224 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	180.66347 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.90698	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05112909000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10.8 °C	Detected and Quantified	F	Actual				11/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 11/30/2005 2:00 PM
Visit Comment: // //

Activity: 051130140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.13	Detected and Quantified	F	Actual				12/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	68.60607 µeq/L	Detected and Quantified	F	Actual				1/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	19.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		12/10/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	69.72189 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	33.57414 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	50.31204 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	18.00133 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	116.897 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	12.1044 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_AutoStream	0.75257 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		6/15/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_AutoStream	67.09421 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/15/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_AutoStream	23.9707 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/15/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_AUTO	183.7138 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_AUTO	160.42355 µeq/L	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_AUTO	0.87323	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 11/30/2005 4:00 PM
Visit Comment: // //

Activity: 051130160001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.08	Detected and Quantified	F	Actual				12/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	66.16352 µeq/L	Detected and Quantified	F	Actual				1/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	19.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		12/10/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	67.53311 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	30.17372 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	50.42978 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_AutoStream	17.33764 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	118.209 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	7.15735 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	0.73799 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	65.45005 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	23.33654 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	172.6316 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	155.6881 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.90185	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 11/30/2005 10:00 PM
Visit Comment: // //

Activity: 051130220001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.18	Detected and Quantified	F	Actual				12/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	71.89488 µeq/L	Detected and Quantified	F	Actual				1/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	18.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		12/10/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_AutoStream *Dilution:* N	67.97705 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.468 ueq/L	1.488 ueq/L	6/25/2007
Mg_Ions_AutoStream *Dilution:* N	29.81878 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.218 ueq/L	0.694 ueq/L	6/25/2007
Na_Ions_AutoStream *Dilution:* N	51.4214 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.029 ueq/L	0.091 ueq/L	6/25/2007
K_Ions_AutoStream *Dilution:* N	16.18242 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.029 ueq/L	0.092 ueq/L	6/25/2007
SiO2_TC_AutoStream *Dilution:* N	119.935 µmol/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
NH4_Ions_AutoStream *Dilution:* N	3.15915 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.013 ueq/L	0.04 ueq/L	6/25/2007
NO3_Ions_AutoStream *Dilution:* N	0.8331 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.081 ueq/L	0.258 ueq/L	6/25/2007
SO4_Ions_AutoStream *Dilution:* N	61.63195 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.31 ueq/L	0.986 ueq/L	6/25/2007
Cl_Ions_AutoStream *Dilution:* N	23.63463 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.076 ueq/L	0.242 ueq/L	6/25/2007
SBC_IC2_AUTO *Dilution:* N	168.5588 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/6/2008
SAA_2PT_IC2_AUTO *Dilution:* N	157.99456 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/18/2008
IONRATIO_2PT_IC2_AUTO *Dilution:* N	0.93733 *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/18/2008

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 12/1/2005 2:00 AM
Visit Comment: // //

Activity: 051201020001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.11	Detected and Quantified	F	Actual				12/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	71.16303 µeq/L	Detected and Quantified	F	Actual				1/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	18.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		12/10/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	67.21063 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	29.81901 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	51.74975 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	15.8385 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	121.197 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	6.26603 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	0.73162 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		6/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	59.31387 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	23.43884 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_AUTO	170.88392 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_AUTO	154.64736 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_AUTO	0.90498	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** STAN **Visit Date:** 12/6/2005 9:10 AM

Visit Comment: SUSIE MABEN // // Cold, partly sunny Snow 12/5, large precip. event last week

Activity: 051206091001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.34	Detected and Quantified	F	Actual				12/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	82.80904 µeq/L	Detected and Quantified	F	Actual				1/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	16.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		12/10/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	62.0629 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	26.30999 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	57.08864 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	10.21536 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	136.336 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	46.39282 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	22.55276 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	155.68339 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	151.79512 µeq/L	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.97502	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 05120609100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	5.5 °C	Detected and Quantified	F	Actual				12/6/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 12/6/2005 6:00 PM
Visit Comment: // //

Activity: 051206180001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.47	Detected and Quantified	F	Actual				1/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	82.86673 µeq/L	Detected and Quantified	F	Actual				1/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	18.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/4/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	64.70953 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_AutoStream	27.25035 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	61.53801 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	11.77269 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	138.261 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	1.89755 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	45.29559 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	26.16039 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	167.16813 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	154.36321 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.9234	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 12/6/2005 8:00 PM
Visit Comment: // //

Activity: 051206200001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.32	Detected and Quantified	F	Actual				1/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_AutoStream	82.86673 µeq/L	Detected and Quantified	F	Actual			1/10/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	17 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	1/4/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_AutoStream	64.5319 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	27.12673 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	58.4644 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	10.59212 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	137.282 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	0.22998 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	44.73328 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	23.42674 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	160.94513 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	151.06725 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.93863	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 12/13/2005 2:15 PM
Visit Comment: CHRIS MOORE // // Cold, clear Cold, snow

Activity: 051213141501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.25	Detected and Quantified	F	Actual				1/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	82.80904 µeq/L	Detected and Quantified	F	Actual				1/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/4/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	63.6162 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	26.58792 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	59.03687 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	9.63319 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	139.971 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	0.17741 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	45.5727 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	22.39153 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	159.05159 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	150.81377 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.94821	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05121314150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4 °C	Detected and Quantified	F	Actual				12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 12/22/2005 9:40 AM
Visit Comment: CHRIS MOORE // // Clear, cold, icy Clear, cold, icy

Activity: 051222094001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.16	Detected and Quantified	F	Actual				1/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	81.16204 µeq/L	Detected and Quantified	F	Actual				1/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/4/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	65.23931 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	27.59282 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	61.35702 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	9.16893 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	143.026 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	50.86968 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	22.93719 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	163.36458 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	155.00941 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.94886	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05122209400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	3 °C	Detected and Quantified	F	Actual				12/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** STAN **Visit Date:** 12/29/2005 9:10 AM

Visit Comment: CHRIS MOORE // // Fog, overcast, rain, warm Clear, warm

Activity: 051229091001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.2	Detected and Quantified	F	Actual				1/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	81.16204 µeq/L	Detected and Quantified	F	Actual			1/11/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	17.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	1/5/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	66.61827 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	27.84681 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	63.29385 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	9.8129 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	140.071 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	52.15885 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	22.43646 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	167.57833 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	155.79785 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.9297	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05122909100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6 °C	Detected and Quantified	F	Actual				12/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 1/3/2006 1:00 PM
Visit Comment: CHRIS MOORE // // Light rain, warm Scattered showers, warm

Activity: 060103130001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.76	Detected and Quantified	F	Actual				1/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	71.10578 µeq/L	Detected and Quantified	F	Actual				1/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/5/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	65.15457 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	27.09346 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	62.01283 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	9.90992 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	139.008 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_Grab	50.97344 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	21.77133 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	164.17728 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	143.89105 µeq/L	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.87644	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06010313000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	7 °C	Detected and Quantified	F	Actual				1/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 1/11/2006 10:55 AM
Visit Comment: CHRIS MOORE // // Cloudy, warm Cloudy, warm

Activity: 060111105501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.93	Detected and Quantified	F	Actual				1/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	81.16204 µeq/L	Detected and Quantified	F	Actual				2/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/13/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	63.44927 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	26.39461 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	61.68311 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	9.22782 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	134.128 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	47.72581 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	22.16406 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	160.76131 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	151.09241 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.93986	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06011110550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6.5 °C	Detected and Quantified	F	Actual				1/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 1/17/2006 9:25 AM
Visit Comment: SUSIE MABEN // // Cold, cloudy, occasional sprinkles Cool, some rain

Activity: 060117092501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.27	Detected and Quantified	F	Actual				1/22/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	77.8095 µeq/L	Detected and Quantified	F	Actual				2/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/22/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	64.95621 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	27.38555 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	61.58616 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	9.3192 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	133.53 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	49.90674 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	22.09321 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	163.25362 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	149.84995 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.9179	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06011709250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4.5 °C	Detected and Quantified	F	Actual				1/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 1/18/2006 6:00 AM
Visit Comment: // //

Activity: 060118060001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.16	Detected and Quantified	F	Actual				2/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	71.16303 µeq/L	Detected and Quantified	F	Actual				2/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	17.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	64.58389 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	26.17484 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	56.48144 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	10.03077 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_AutoStream	126.874 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	0.68325 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	45.84042 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	25.52837 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	157.95419 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	142.57232 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.90262	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 1/19/2006 2:00 PM
Visit Comment: // //

Activity: 060119140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.22	Detected and Quantified	F	Actual				2/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	70.36805 µeq/L	Detected and Quantified	F	Actual				2/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	18 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	65.45171 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_AutoStream	27.68761 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	60.37713 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	9.85904 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	134.941 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	0.60892 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	55.48126 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	23.31916 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	163.98441 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	149.20897 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.9099	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 1/19/2006 8:00 PM
Visit Comment: // //

Activity: 060119200001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.13	Detected and Quantified	F	Actual				2/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_AutoStream	73.66278 µeq/L	Detected and Quantified	F	Actual			2/13/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	18.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	2/2/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_AutoStream	67.79257 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	28.73008 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	60.72935 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	9.8214 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	133.398 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	2.53129 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	55.72237 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	22.84412 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	169.60469 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	152.26977 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.89779	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

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Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 1/20/2006 10:00 AM
Visit Comment: // //

Activity: 060120100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.32	Detected and Quantified	F	Actual				2/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	71.89488 µeq/L	Detected and Quantified	F	Actual				2/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	17.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	65.11576 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	27.73811 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	60.19375 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	9.61622 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	132.402 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	0.52028 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	55.42319 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	22.64719 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_AUTO	163.18412 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_AUTO	150.00576 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_AUTO	0.91924	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 1/20/2006 12:00 PM
Visit Comment: // //

Activity: 060120120001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.11	Detected and Quantified	F	Actual				2/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	69.21448 µeq/L	Detected and Quantified	F	Actual				2/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	17.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	65.1291 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	27.5315 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	60.4711 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	9.6675 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	132.933 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	3.3054 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_AutoStream	54.66289 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	22.84739 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	166.1046 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	146.76526 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.88357	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 1/20/2006 2:00 PM
Visit Comment: // //

Activity: 060120140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.32	Detected and Quantified	F	Actual				2/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	71.10578 µeq/L	Detected and Quantified	F	Actual				2/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	17.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	64.7365 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	27.31349 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	60.73737 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	9.68753 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_AutoStream	134.095 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	0.61916 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	55.55285 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	22.40397 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	163.09405 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	149.1031 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.91422	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 1/20/2006 8:00 PM
Visit Comment: // //

Activity: 060120200001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.35	Detected and Quantified	F	Actual				2/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	76.16253 µeq/L	Detected and Quantified	F	Actual				2/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	18.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	66.92585 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_AutoStream	28.23472 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	61.24438 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	9.89252 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	135.257 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	0.79241 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	53.96534 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	22.22226 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	166.30397 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	153.14254 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.92086	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 1/21/2006 2:00 AM
Visit Comment: // //

Activity: 060121020001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.16	Detected and Quantified	F	Actual				2/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_AutoStream	73.66278 µeq/L	Detected and Quantified	F	Actual			2/13/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	18.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	2/2/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_AutoStream	66.87622 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	28.19565 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	60.94925 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	9.42101 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	133.514 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	52.5254 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	22.0606 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	165.44863 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	148.28928 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.89629	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

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Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 1/21/2006 6:00 AM
Visit Comment: // //

Activity: 060121060001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.13	Detected and Quantified	F	Actual				2/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	73.66278 µeq/L	Detected and Quantified	F	Actual				2/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	18.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	66.03487 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	27.94835 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	60.63309 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	9.55551 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	134.277 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	1.57585 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	52.69021 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	22.37227 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_AUTO	165.74767 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_AUTO	148.76576 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_AUTO	0.89754	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 1/24/2006 9:00 AM
Visit Comment: SUSIE MABEN // // Foggy and misting, then clear and sunny Cool, some rainy days

Activity: 060124090001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.21	Detected and Quantified	F	Actual				2/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	79.34713 µeq/L	Detected and Quantified	F	Actual				2/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	63.78882 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	27.00605 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	60.41916 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	9.29472 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	134.211 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	49.91959 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	21.7869 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	160.51525 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	151.09412 µeq/L	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.94131	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06012409000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6 °C	Detected and Quantified	F	Actual				1/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 1/31/2006 9:15 AM
Visit Comment: SUSIE MABEN // // Windy, cool Some light precip.

Activity: 060131091501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.26	Detected and Quantified	F	Actual				2/7/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	77.8095 µeq/L	Detected and Quantified	F	Actual				2/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/7/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	62.55746 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_Grab	26.25968 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	61.83104 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	8.95016 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	136.17 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	48.03527 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	22.12869 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	159.60484 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	148.01396 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.92738	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06013109150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6.5 °C	Detected and Quantified	F	Actual				1/31/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0601310915S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Present <QL	*Present <QL	F	Actual	0.172339614 mg/l	0.548039971 mg/l		3/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.25.												
Non-filterable Residue	1 mg/l	Detected and Quantified	F	Actual	0.179602815 mg/l	0.571136951 mg/l		3/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 2/7/2006 12:15 PM
Visit Comment: FAD // // Clear, cold, windy Some rain

Activity: 060207121501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.9	Detected and Quantified	F	Actual				2/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	66.10635 µeq/L	Detected and Quantified	F	Actual				2/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/8/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	63.08919 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	26.3687 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	60.915 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	8.5947 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	134.676 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	49.33231 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	22.00474 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	158.97409 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	137.4839 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.86482	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06020712150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4 °C	Detected and Quantified	F	Actual				2/7/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 2/14/2006 1:00 PM
Visit Comment: FAD // // clear, cold significant snow

Activity: 060214130001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.8	Detected and Quantified	F	Actual				2/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	63.66377 µeq/L	Detected and Quantified	F	Actual			2/17/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	17.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	2/15/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	61.07232 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	25.54334 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	59.89096 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	8.44156 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	133.115 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	46.98569 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	22.33917 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	154.95468 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	133.02913 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.8585	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06021413000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4 °C	Detected and Quantified	F	Actual				2/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 2/20/2006 11:05 AM
Visit Comment: FAD // // clear, cold cold

Activity: 060220110501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.86	Detected and Quantified	F	Actual				2/21/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	66.16352 µeq/L	Detected and Quantified	F	Actual				2/21/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/21/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	61.3674 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	26.04876 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	61.59113 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	8.17579 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	132.518 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_Grab	49.61847 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	22.71255 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	157.18958 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	138.53504 µeq/L	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.88132	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06022011050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	3.5 °C	Detected and Quantified	F	Actual				2/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** STAN **Visit Date:** 2/28/2006 9:05 AM

Visit Comment: SUSIE MABEN // // Mostly sunny, warm Clouds & sun, some precip.

Activity: 060228090501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.82	Detected and Quantified	F	Actual				3/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	68.66327 µeq/L	Detected and Quantified	F	Actual				3/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/1/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	61.72222 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	26.1708 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	62.25129 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	8.30766 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	128.849 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	48.08367 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	22.56751 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	158.45847 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	139.35495 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.87944	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06022809050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	3.7 °C	Detected and Quantified	F	Actual				2/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 3/7/2006 8:50 AM
Visit Comment: SUSIE MABEN // // Sunny, cold Mostly sunny, cool, little precip.

Activity: 060307085001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.85	Detected and Quantified	F	Actual				3/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	69.39515 µeq/L	Detected and Quantified	F	Actual				3/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/8/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	61.47431 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	25.98694 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	62.29032 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	8.33531 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	127.488 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	46.22512 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	22.69512 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	158.09338 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	138.35589 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.87515	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06030708500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4.6 °C	Detected and Quantified	F	Actual				3/7/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 3/14/2006 12:05 PM
Visit Comment: FAD // // clear, cold, windy dry, warm

Activity: 060314120501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.99	Detected and Quantified	F	Actual				3/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	76.89435 µeq/L	Detected and Quantified	F	Actual				3/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/15/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	61.57666 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	25.40333 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	65.87635 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	10.04465 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	126.459 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	47.81356 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	22.83876 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	162.90749 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	147.58717 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.90596	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06031412050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12 °C	Detected and Quantified	F	Actual				3/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** STAN **Visit Date:** 3/20/2006 3:30 PM

Visit Comment: SUSIE MABEN // Side channel (where staff and ISCO inlet are) now has very low flow. Side channel is more shallow since last major event when gravel bar grew. // Cool, overcast Dry, cool

Activity: 060320153001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.93	Detected and Quantified	F	Actual				3/22/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	72.86778 µeq/L	Detected and Quantified	F	Actual			3/22/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	17.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	3/22/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	61.78654 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	25.68334 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	64.17469 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	9.02496 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	129.679 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	46.8765 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	22.84962 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	160.67603 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	142.6344 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.88771	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06032015300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	7.8 °C	Detected and Quantified	F	Actual				3/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 3/28/2006 1:05 PM
Visit Comment: FAD // // cloudy, cool cold, dry

Activity: 060328130501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.91	Detected and Quantified	F	Actual				3/29/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	72.80996 µeq/L	Detected and Quantified	F	Actual				3/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/29/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	60.3973 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	25.1691 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	63.8035 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	9.02051 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	127.704 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/11/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_Grab	45.62374 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/11/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	22.20901 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/11/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	158.39691 µeq/L	Detected and Quantified	F	Actual			2/6/2008	
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	140.68321 µeq/L	Detected and Quantified	F	Actual			2/18/2008	
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.88817	Detected and Quantified	F	Actual			2/18/2008	
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06032813050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8.5 °C	Detected and Quantified	F	Actual				3/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 4/4/2006 9:10 AM
Visit Comment: SUSIE MABEN // // Breezy, sunny, warm in afternoon Warm, shower yesterday afternoon

Activity: 060404091001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.95	Detected and Quantified	F	Actual				4/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	78.55256 µeq/L	Detected and Quantified	F	Actual				4/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/5/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	67.32234 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	28.02824 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	67.51109 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	9.88405 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	134.344 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	0.67681 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	45.8754 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	23.17476 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	172.75222 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	148.27953 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.85834	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06040409100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9.5 °C	Detected and Quantified	F	Actual				4/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 4/11/2006 12:35 PM
Visit Comment: FAD // // clear, cool some rain

Activity: 060411123501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.9	Detected and Quantified	F	Actual				4/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	76.71357 µeq/L	Detected and Quantified	F	Actual				4/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/12/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	66.9776 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	28.16423 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	68.45349 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	10.70811 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	137.747 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	47.4684 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	23.67901 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	174.30993 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	147.90148 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.8485	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06041112350F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12.5 °C	Detected and Quantified	F	Actual				4/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 4/19/2006 9:20 AM
Visit Comment: SUSIE MABEN // // Sunny, warm Mild, some thunderstorms and rain

Activity: 060419092001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.36	Detected and Quantified	F	Actual				4/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	91.10353 µeq/L	Detected and Quantified	F	Actual				4/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/24/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	70.03912 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	29.41064 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	68.14426 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	10.75615 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	141.382 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	47.84704 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	22.61599 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	178.35667 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	161.60706 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.90609	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06041909200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11.7 °C	Detected and Quantified	F	Actual				4/19/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 4/25/2006 1:05 PM
Visit Comment: FAD // // clear, warm some rain

Activity: 060425130501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.35	Detected and Quantified	F	Actual				5/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	85.42876 µeq/L	Detected and Quantified	F	Actual			5/8/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	19.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	5/2/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	69.92861 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	28.73022 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	64.96618 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	10.57983 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	140.303 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	56.05982 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	21.91203 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	174.21134 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	163.44111 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.93818	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06042513050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	15 °C	Detected and Quantified	F	Actual				4/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 060425130 5S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	1.03093 mg/l	Detected and Quantified	F	Actual	0.172339614 mg/l	0.548039971 mg/l		7/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Non-filterable Residue	3.19588 mg/l	Detected and Quantified	F	Actual	0.179602815 mg/l	0.571136951 mg/l		7/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 5/2/2006 12:45 PM
Visit Comment: FAD // staff gage is hard to read at low levels ISCO read PPPP. Dead battery? // clear, cool nice

Activity: 060502124501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.6	Detected and Quantified	F	Actual				5/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	83.6618 µeq/L	Detected and Quantified	F	Actual				5/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/4/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	67.14568 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_Grab	27.11521 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	64.37234 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	9.72558 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	140.087 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	48.69662 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	21.79137 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	168.36531 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	154.19029 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.91581	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06050212450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	14 °C	Detected and Quantified	F	Actual				5/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 5/8/2006 2:25 PM
Visit Comment: FAD // // cloudy, cold. some rain

Activity: 060508142501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.67	Detected and Quantified	F	Actual				5/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	86.10409 µeq/L	Detected and Quantified	F	Actual				5/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/11/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	68.42334 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	27.84726 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	64.83086 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	9.76262 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	142.362 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	0.74488 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	46.49944 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	21.58561 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	170.87058 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	154.93402 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.90673	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06050814250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11.5 °C	Detected and Quantified	F	Actual				5/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 5/16/2006 11:50 AM
Visit Comment: FAD, CWM // changed probe height to 3.40 // Clear warm scattered t-storms, warm

Activity: 060516115001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.02	Detected and Quantified	F	Actual				5/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	78.66229 µeq/L	Detected and Quantified	F	Actual				5/18/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/17/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	64.74593 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	26.75719 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	65.11663 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	10.21923 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	138.245 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	48.90013 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	22.43943 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	166.84548 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	150.04235 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.89929	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06051611500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	13.5 °C	Detected and Quantified	F	Actual				5/16/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 5/23/2006 1:55 PM
Visit Comment: CHRIS MOORE // // Clear, cool, nice Dry, cool

Activity: 060523135501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.84	Detected and Quantified	F	Actual				5/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	81.71297 µeq/L	Detected and Quantified	F	Actual			6/1/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	17.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	5/25/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	61.81558 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	25.40351 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	62.23958 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	9.54601 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	138.145 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	45.92349 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	20.778 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	159.01118 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	148.45496 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.93361	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06052313550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	14.5 °C	Detected and Quantified	F	Actual				5/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 5/30/2006 11:40 AM
Visit Comment: CHRIS MOORE // // Hot, humid Cool, dry

Activity: 060530114001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.06	Detected and Quantified	F	Actual				6/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	82.86673 µeq/L	Detected and Quantified	F	Actual				6/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		6/1/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	63.70866 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	26.27823 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	65.6314 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	10.67183 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	141.034 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_Grab	42.00566 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	21.23582 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	166.29662 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	146.14871 µeq/L	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.87884	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06053011400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	19 °C	Detected and Quantified	F	Actual				5/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** STAN **Visit Date:** 6/6/2006 7:30 AM

Visit Comment: SUSIE MABEN // // Mostly sunny, warm Warm, scattered thunderstorms

Activity: 060606073001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.96	Detected and Quantified	F	Actual				6/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	101.04964 µeq/L	Detected and Quantified	F	Actual				6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		6/8/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	68.62949 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	28.7766 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	66.01521 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	10.48109 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	143.988 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	41.42723 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	20.43691 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	173.90889 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	162.95428 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.93701	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06060607300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	14.3 °C	Detected and Quantified	F	Actual				6/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 6/13/2006 10:30 AM
Visit Comment: CHRIS MOORE // // Clear, cool to warm Cool, scattered T-storms

Activity: 060613103001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.39	Detected and Quantified	F	Actual				6/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	102.86464 µeq/L	Detected and Quantified	F	Actual				6/29/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		6/27/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	66.50284 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	27.5474 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	67.90199 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	11.18842 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	144.055 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	40.62349 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	21.83313 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	173.14715 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	165.36176 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.95504	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06061310300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	15.5 °C	Detected and Quantified	F	Actual				6/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 6/20/2006 10:05 AM
Visit Comment: CHRIS MOORE // // Warm to hot, clear to hazy Hot, clear

Activity: 060620100501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.4	Detected and Quantified	F	Actual				6/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	106.10186 µeq/L	Detected and Quantified	F	Actual				6/29/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		6/27/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	69.82298 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	28.59146 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	70.06077 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	11.72369 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	150.894 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	0.49113 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	40.09008 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	21.31552 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	180.69003 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	167.54796 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.92727	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06062010050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18.5 °C	Detected and Quantified	F	Actual				6/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** STAN **Visit Date:** 6/27/2006 11:00 AM

Visit Comment: CHRIS MOORE // // Hot, humid, raining Hot, humid, rain

Activity: 060627110001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.32	Detected and Quantified	F	Actual				7/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	97.86516 µeq/L	Detected and Quantified	F	Actual			7/11/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	18.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	7/3/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	69.49466 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	27.93851 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	60.6611 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	11.64059 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	132.119 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	38.4708 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	17.64807 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	169.74136 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	154.02453 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.90741	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06062711000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	19 °C	Detected and Quantified	F	Actual				6/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 6/27/2006 4:00 PM
Visit Comment: // //

Activity: 060627160001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.19	Detected and Quantified	F	Actual				7/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	87.18114 µeq/L	Detected and Quantified	F	Actual				7/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	19.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/6/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	65.71204 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	25.09772 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	58.09589 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	12.62657 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	125.629 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	0.82236 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/17/2007			
Dilution: N	*Recovery:* N	*Correction:* N									
SO4_Ions_AutoStream	37.2693 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/17/2007			
Dilution: N	*Recovery:* N	*Correction:* N									
Cl_Ions_AutoStream	18.21083 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/17/2007			
Dilution: N	*Recovery:* N	*Correction:* N									
SBC_IC2_AUTO	162.35458 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_2PT_IC2_AUTO	142.70177 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_AUTO	0.87895	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 6/27/2006 6:00 PM
Visit Comment: // //

Activity: 060627180001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.43	Detected and Quantified	F	Actual				7/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	76.89435 µeq/L	Detected and Quantified	F	Actual				7/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	17 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/6/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	61.96064 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	24.48193 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	51.41593 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_AutoStream	13.3789 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	113.71 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	3.40328 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	0.69081 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	37.84911 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	15.49966 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	154.64068 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	130.93393 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.8467	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 6/27/2006 8:00 PM
Visit Comment: // //

Activity: 060627200001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.54	Detected and Quantified	F	Actual				7/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	76.89435 µeq/L	Detected and Quantified	F	Actual				7/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	17.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/6/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_AutoStream *Dilution:* N	70.82587 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.468 ueq/L	1.488 ueq/L	7/17/2007
Mg_Ions_AutoStream *Dilution:* N	27.83717 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.218 ueq/L	0.694 ueq/L	7/17/2007
Na_Ions_AutoStream *Dilution:* N	50.89335 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.029 ueq/L	0.091 ueq/L	7/17/2007
K_Ions_AutoStream *Dilution:* N	13.75774 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.029 ueq/L	0.092 ueq/L	7/17/2007
SiO2_TC_AutoStream *Dilution:* N	107.352 µmol/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
NH4_Ions_AutoStream *Dilution:* N	*Non-detect *Recovery:* N	*Non-detect *Correction:* N	F	Actual	0.013 ueq/L	0.04 ueq/L	7/17/2007
NO3_Ions_AutoStream *Dilution:* N	*Non-detect *Recovery:* N	*Non-detect *Correction:* N	F	Actual	0.081 ueq/L	0.258 ueq/L	7/17/2007
SO4_Ions_AutoStream *Dilution:* N	41.40744 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.31 ueq/L	0.986 ueq/L	7/17/2007
Cl_Ions_AutoStream *Dilution:* N	14.6555 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.076 ueq/L	0.242 ueq/L	7/17/2007
SBC_IC2_AUTO *Dilution:* N	163.32063 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/6/2008
SAA_2PT_IC2_AUTO *Dilution:* N	132.99779 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/18/2008
IONRATIO_2PT_IC2_AUTO *Dilution:* N	0.81434 *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/18/2008

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 6/28/2006 4:00 AM
Visit Comment: // //

Activity: 060628040001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.6	Detected and Quantified	F	Actual				7/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	81.10466 µeq/L	Detected and Quantified	F	Actual				7/18/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	19.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/6/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	75.62298 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	30.96366 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	55.97098 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	12.48826 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	122.657 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	1.5969 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	53.93514 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	17.7027 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_AUTO	176.64278 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_AUTO	152.783 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_AUTO	0.86493	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 6/28/2006 6:00 AM
Visit Comment: // //

Activity: 060628060001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.64	Detected and Quantified	F	Actual				7/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	80.36699 µeq/L	Detected and Quantified	F	Actual				7/18/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	19.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/6/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	75.37214 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	30.98208 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	56.66639 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	12.4049 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	124.749 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	3.83609 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_AutoStream	54.76093 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	18.39857 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	179.2616 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	153.56699 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.85666	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 6/28/2006 2:00 PM
Visit Comment: // //

Activity: 060628140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.67	Detected and Quantified	F	Actual				7/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	81.89383 µeq/L	Detected and Quantified	F	Actual				7/18/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	19.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/6/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	72.72962 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	29.6568 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	57.11825 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	11.65093 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_AutoStream	127.239 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	2.01035 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	53.75832 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	19.17079 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	173.16595 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	154.86344 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.89431	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 6/28/2006 4:00 PM
Visit Comment: // //

Activity: 060628160001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.61	Detected and Quantified	F	Actual				7/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	80.36699 µeq/L	Detected and Quantified	F	Actual				7/18/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	19.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/6/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	72.20918 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_AutoStream	29.64433 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	57.24987 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	11.5792 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	128.965 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	2.61515 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	53.5888 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	19.33403 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	173.29773 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	153.33032 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.88478	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 6/28/2006 8:00 PM
Visit Comment: // //

Activity: 060628200001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.61	Detected and Quantified	F	Actual				7/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_AutoStream	86.16155 µeq/L	Detected and Quantified	F	Actual			7/18/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	19.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	7/6/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_AutoStream	73.15092 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	30.09134 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	57.44536 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	11.51414 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	129.912 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	1.35209 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	52.60657 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	19.66099 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	173.55385 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	158.46961 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.91309	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 6/29/2006 4:00 PM
Visit Comment: // //

Activity: 060629160001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.66	Detected and Quantified	F	Actual				7/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	78.55256 µeq/L	Detected and Quantified	F	Actual				7/18/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	18.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/6/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	67.91269 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	27.94923 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	55.54652 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	10.62956 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	129.181 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	48.93682 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	19.88876 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_AUTO	162.0445 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_AUTO	147.41864 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_AUTO	0.90974	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 7/4/2006 12:10 PM
Visit Comment: CHRIS MOORE // // Hot, scattered T-storms Hot, scattered T-storms

Activity: 060704121001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.78	Detected and Quantified	F	Actual				7/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	83.6618 µeq/L	Detected and Quantified	F	Actual				7/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	16.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/6/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	63.66298 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	25.69881 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	57.92196 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	9.7263 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	136.485 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	39.57851 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	19.87066 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	157.01655 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	143.15147 µeq/L	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.9117	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06070412100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	20 °C	Detected and Quantified	F	Actual				7/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 7/12/2006 9:00 AM
Visit Comment: CHRIS MOORE, FRANK DEVINEY // // Hot, humid Warm, scattered T-storms

Activity: 060712090001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.78	Detected and Quantified	F	Actual				7/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	98.60269 µeq/L	Detected and Quantified	F	Actual				8/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/14/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	68.31976 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_Grab	28.0874 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	61.81208 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	10.20147 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	140.619 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	37.83585 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	20.2144 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	168.42721 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	156.69344 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.93033	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06071209000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	19 °C	Detected and Quantified	F	Actual				7/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 7/18/2006 10:20 AM
Visit Comment: CHRIS MOORE // // Hot, humid Hot, scattered T-storms

Activity: 060718102001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.11	Detected and Quantified	F	Actual				7/19/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	106.15959 µeq/L	Detected and Quantified	F	Actual				8/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/19/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	70.10721 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	28.41508 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	64.40944 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	11.02717 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	146.279 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	37.69605 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	20.57935 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	173.9654 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	164.47549 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.94545	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06071810200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	21 °C	Detected and Quantified	F	Actual				7/18/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 7/21/2006 6:00 PM
Visit Comment: // //

Activity: 060721180001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.14	Detected and Quantified	F	Actual				8/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	101.71056 µeq/L	Detected and Quantified	F	Actual				8/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	19.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/8/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	77.79902 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	30.48951 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	56.754 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	15.07601 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_AutoStream	129.729 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	2.28663 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	39.92877 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	17.91454 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	182.40517 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	159.59437 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.87494	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 7/21/2006 8:00 PM
Visit Comment: // //

Activity: 060721200001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.26	Detected and Quantified	F	Actual				8/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	87.86621 µeq/L	Detected and Quantified	F	Actual				8/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	17.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/8/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	71.57693 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_AutoStream	28.41072 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	51.25145 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	12.97129 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	110.705 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	7.29242 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	0.64392 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	39.59201 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	16.08521 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	171.50281 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	144.18735 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.84073	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** STAN **Visit Date:** 7/25/2006 12:35 PM

Visit Comment: CHRIS MOORE // // Warm, scattered T-storms Hot, scattered T-storms

Activity: 060725123501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.48	Detected and Quantified	F	Actual				8/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	105.30699 µeq/L	Detected and Quantified	F	Actual			8/17/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	18.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	8/8/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	70.48889 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	28.3625 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	64.16764 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	11.43915 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	141.565 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	38.27651 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	20.22076 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	174.46468 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	163.84476 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.93913	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06072512350F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	20 °C	Detected and Quantified	F	Actual				7/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0607251235S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	0.81466 mg/l	Detected and Quantified	F	Actual	0.172339614 mg/l	0.548039971 mg/l		10/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Non-filterable Residue	2.03666 mg/l	Detected and Quantified	F	Actual	0.179602815 mg/l	0.571136951 mg/l		10/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 8/1/2006 9:50 AM
Visit Comment: CHRIS MOORE // Sample was collected in two 250mL bottles. // Hot, heat advisory Hot, scattered T-storms

Activity: 060801095001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.11	Detected and Quantified	F	Actual				8/16/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	91.71176 µeq/L	Detected and Quantified	F	Actual				8/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/16/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	75.9876 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_Grab	29.92106 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	65.95368 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	11.37145 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	144.802 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	1.73929 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	37.2337 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	20.98804 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	183.24029 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	151.67279 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.82773	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06080109500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	21.5 °C	Detected and Quantified	F	Actual				8/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 8/8/2006 11:15 AM
Visit Comment: CHRIS MOORE // // Warm, humid, scattered T-storms Hot, scattered T-storms

Activity: 060808111501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.49	Detected and Quantified	F	Actual				8/16/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	110.4258 µeq/L	Detected and Quantified	F	Actual				8/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/16/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	69.64119 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/23/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	28.33167 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/23/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	68.47262 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/23/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	12.245 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/23/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	146.478 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/23/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/23/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	37.91292 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/23/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	21.30401 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/23/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	178.69698 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	169.68323 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.94956	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06080811150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	23 °C	Detected and Quantified	F	Actual				8/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 8/15/2006 11:00 AM
Visit Comment: CHRIS MOORE // // Warm, nice, cloudy to partly cloudy Warm, scattered T-storms

Activity: 060815110001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.13	Detected and Quantified	F	Actual				8/16/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	109.20967 µeq/L	Detected and Quantified	F	Actual				8/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/16/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	69.84762 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/23/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	28.61511 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/23/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	67.69237 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/23/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	11.70646 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/23/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	145.101 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	37.55682 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	20.60532 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	177.86806 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	167.41231 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.94122	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06081511000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	21 °C	Detected and Quantified	F	Actual				8/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 8/22/2006 1:45 PM
Visit Comment: FAD // // warm, clear dry

Activity: 060822134501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.31	Detected and Quantified	F	Actual				8/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	110.30654 µeq/L	Detected and Quantified	F	Actual			10/4/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	19.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	8/23/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	69.45613 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	28.07928 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	68.8662 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	11.9031 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	146.976 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	38.07496 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	20.93749 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	178.31121 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	169.35949 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.9498	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06082213450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	21 °C	Detected and Quantified	F	Actual				8/22/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 8/29/2006 9:00 AM
Visit Comment: SUSIE MABEN // // Hot, breezy Hot, a few isolated thunderstorms

Activity: 060829090001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.08	Detected and Quantified	F	Actual				8/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	117.80586 µeq/L	Detected and Quantified	F	Actual				10/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/30/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	74.19857 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	30.6757 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	70.10073 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	12.75015 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	146.727 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/24/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_Grab	38.63411 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/24/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	21.5547 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/24/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	187.73165 µeq/L	Detected and Quantified	F	Actual			2/6/2008	
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	178.03517 µeq/L	Detected and Quantified	F	Actual			2/18/2008	
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.94835	Detected and Quantified	F	Actual			2/18/2008	
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06082909000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	20.5 °C	Detected and Quantified	F	Actual				8/29/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 9/1/2006 2:00 PM
Visit Comment: // //

Activity: 060901140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.16	Detected and Quantified	F	Actual				9/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	86.10409 µeq/L	Detected and Quantified	F	Actual				10/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	18.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/13/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_AutoStream *Dilution:* N	73.27867 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.468 ueq/L	1.488 ueq/L	7/24/2007
Mg_Ions_AutoStream *Dilution:* N	29.21943 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.218 ueq/L	0.694 ueq/L	7/24/2007
Na_Ions_AutoStream *Dilution:* N	55.7983 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.029 ueq/L	0.091 ueq/L	7/24/2007
K_Ions_AutoStream *Dilution:* N	14.33853 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.029 ueq/L	0.092 ueq/L	7/24/2007
SiO2_TC_AutoStream *Dilution:* N	123.952 µmol/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
NH4_Ions_AutoStream *Dilution:* N	*Non-detect *Recovery:* N	*Non-detect *Correction:* N	F	Actual	0.013 ueq/L	0.04 ueq/L	7/24/2007
NO3_Ions_AutoStream *Dilution:* N	*Non-detect *Recovery:* N	*Non-detect *Correction:* N	F	Actual	0.081 ueq/L	0.258 ueq/L	7/24/2007
SO4_Ions_AutoStream *Dilution:* N	39.63295 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.31 ueq/L	0.986 ueq/L	7/24/2007
Cl_Ions_AutoStream *Dilution:* N	18.08959 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.076 ueq/L	0.242 ueq/L	7/24/2007
SBC_IC2_AUTO *Dilution:* N	172.64143 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/6/2008
SAA_2PT_IC2_AUTO *Dilution:* N	143.86713 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/18/2008
IONRATIO_2PT_IC2_AUTO *Dilution:* N	0.83333 *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/18/2008

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Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 9/1/2006 4:00 PM
Visit Comment: // //

Activity: 060901160001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.02	Detected and Quantified	F	Actual				9/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	81.10466 µeq/L	Detected and Quantified	F	Actual				10/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	17.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/13/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	66.87487 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	27.16487 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	53.41815 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	13.88402 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	117.179 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	0.26985 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	40.62801 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	16.97425 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_AUTO	161.61176 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_AUTO	138.74742 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_AUTO	0.85852	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 9/1/2006 6:00 PM
Visit Comment: // //

Activity: 060901180001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.05	Detected and Quantified	F	Actual				9/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	78.66229 µeq/L	Detected and Quantified	F	Actual				10/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	17.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/13/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	69.61927 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	27.78095 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	51.73557 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	13.82484 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	109.942 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	0.5857 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_AutoStream	40.49543 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	16.21154 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	163.54633 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	135.40976 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.82796	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 9/1/2006 8:00 PM
Visit Comment: // //

Activity: 060901200001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.14	Detected and Quantified	F	Actual				9/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	78.66229 µeq/L	Detected and Quantified	F	Actual				10/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	17.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/13/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	69.71476 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	28.14369 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	51.63243 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	14.73655 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_AutoStream	109.527 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	4.45887 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	43.508 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	15.37002 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	168.6863 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	137.58081 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.8156	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 9/2/2006 2:00 AM
Visit Comment: // //

Activity: 060902020001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.08	Detected and Quantified	F	Actual				9/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	76.16253 µeq/L	Detected and Quantified	F	Actual				10/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	17.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/14/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	67.87359 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_AutoStream	27.94826 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	50.03348 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	13.91903 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	109.245 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	6.82725 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	46.92771 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	15.85524 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	166.60161 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	138.98598 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.83424	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 9/2/2006 4:00 AM
Visit Comment: // //

Activity: 060902040001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.08	Detected and Quantified	F	Actual				9/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_AutoStream *Dilution:* N	73.66278 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			10/14/2006
Cond_VWR_Manual_AutoStream *Dilution:* N	17.6 µS/cm *Recovery:* N	Detected and Quantified *Correction:* Y	F	Actual	0.162 uS/cm	0.515 uS/cm	9/14/2006
Ca_Ions_AutoStream *Dilution:* N	70.69432 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.468 ueq/L	1.488 ueq/L	7/25/2007
Mg_Ions_AutoStream *Dilution:* N	28.45441 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.218 ueq/L	0.694 ueq/L	7/25/2007
Na_Ions_AutoStream *Dilution:* N	49.25884 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.029 ueq/L	0.091 ueq/L	7/25/2007
K_Ions_AutoStream *Dilution:* N	13.52026 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.029 ueq/L	0.092 ueq/L	7/25/2007
SiO2_TC_AutoStream *Dilution:* N	107.12 µmol/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
NH4_Ions_AutoStream *Dilution:* N	0.32452 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.013 ueq/L	0.04 ueq/L	7/25/2007
NO3_Ions_AutoStream *Dilution:* N	*Non-detect *Recovery:* N	*Non-detect *Correction:* N	F	Actual	0.081 ueq/L	0.258 ueq/L	7/25/2007
SO4_Ions_AutoStream *Dilution:* N	47.26638 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.31 ueq/L	0.986 ueq/L	7/25/2007
Cl_Ions_AutoStream *Dilution:* N	15.7356 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.076 ueq/L	0.242 ueq/L	7/25/2007
SBC_IC2_AUTO *Dilution:* N	162.25235 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/6/2008
SAA_2PT_IC2_AUTO *Dilution:* N	136.70526 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/18/2008
IONRATIO_2PT_IC2_AUTO *Dilution:* N	0.84255 *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/18/2008

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Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 9/2/2006 12:00 PM
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Activity: 060902120001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.11	Detected and Quantified	F	Actual				9/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	76.16253 µeq/L	Detected and Quantified	F	Actual				10/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	18.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/14/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	72.64694 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	29.74489 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	53.44649 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	12.60769 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	119.985 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	1.76052 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	55.24141 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	17.77709 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_AUTO	170.20653 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_AUTO	149.22153 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_AUTO	0.87671	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 9/2/2006 2:00 PM
Visit Comment: // //

Activity: 060902140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.27	Detected and Quantified	F	Actual				9/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	80.30927 µeq/L	Detected and Quantified	F	Actual				10/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	18.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/14/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	72.16289 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	29.89666 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	54.23303 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	12.6622 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	122.657 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	12.1059 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_AutoStream	56.64082 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	18.65717 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	181.06068 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	155.64776 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.85964	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 9/2/2006 10:00 PM
Visit Comment: // //

Activity: 060902220001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_AutoStream	6.24	Detected and Quantified	F	Actual				9/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	80.30927 µeq/L	Detected and Quantified	F	Actual				10/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	18.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/14/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	72.3546 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	29.88655 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	55.66188 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	12.11317 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_AutoStream	126.89 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	2.3096 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	55.89708 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	19.66066 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	172.3258 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	155.90751 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.90473	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** STAN **Visit Date:** 9/6/2006 5:00 PM

Visit Comment: SUSIE MABEN // // Partly sunny, warm Rain, cool, Hurricane Ernesto remnants

Activity: 060906170001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.23	Detected and Quantified	F	Actual				9/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	88.60381 µeq/L	Detected and Quantified	F	Actual				10/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/14/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	66.28041 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_Grab	27.47378 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	57.87941 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	10.46779 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	136.352 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	0.65755 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	43.76698 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	19.79657 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	162.10789 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	152.82491 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.94274	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06090617000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	16.2 °C	Detected and Quantified	F	Actual				9/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 9/12/2006 9:10 AM
Visit Comment: SUSIE MABEN // // Cool, partly cloudy Cool, fair

Activity: 060912091001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.25	Detected and Quantified	F	Actual				9/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	91.10353 µeq/L	Detected and Quantified	F	Actual				10/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/14/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	68.96983 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	28.67898 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	60.99067 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	10.49536 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	141.083 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	44.29667 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	21.80693 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	169.14134 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	157.24763 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.92968	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06091209100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	15 °C	Detected and Quantified	F	Actual				9/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 9/19/2006 9:00 AM
Visit Comment: SUSIE MABEN // // Partly cloudy, mild Mild; some rainy, cloudy days

Activity: 060919090001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.34	Detected and Quantified	F	Actual				9/22/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	91.71176 µeq/L	Detected and Quantified	F	Actual				10/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/22/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	68.67106 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	28.50371 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	64.58786 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	10.14772 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	146.478 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	46.49372 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	21.18203 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	171.91685 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	159.42801 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.92736	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06091909000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	16.5 °C	Detected and Quantified	F	Actual				9/19/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** STAN **Visit Date:** 9/26/2006 9:00 AM

Visit Comment: SUSIE MABEN // // Warm, sunny Fair, a few light showers

Activity: 060926090001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.29	Detected and Quantified	F	Actual				10/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	91.89277 µeq/L	Detected and Quantified	F	Actual			10/14/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	17.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	10/2/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	66.90568 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	27.81892 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	63.90909 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	9.75825 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	143.507 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	41.84505 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	20.96273 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	168.39844 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	154.74105 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.9189	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06092609000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	14 °C	Detected and Quantified	F	Actual				9/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 10/3/2006 9:00 AM
Visit Comment: SUSIE MABEN //
//Warm, mostly sunny
Fair, some showers

Activity: 061003090001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.7528	Detected and Quantified	F	Actual				10/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.77	Detected and Quantified	F	Actual				10/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	99.94759 µeq/L	Detected and Quantified	F	Actual				10/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	93.60325 µeq/L	Detected and Quantified	F	Actual				10/18/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/5/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	68.86268 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	28.40459 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	64.48658 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_Grab	10.04515 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	142.577 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	39.29219 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	21.24514 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	171.8055 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	154.18108 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.89742	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	160.52542 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.93434	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06100309000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	14.7 °C	Detected and Quantified	F	Actual				10/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 10/7/2006 8:00 AM

Activity: 061007080001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	6.4728	Detected and Quantified	F	Actual				10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_AutoStream	6.49	Detected and Quantified	F	Actual				10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	79.71772 µeq/L	Detected and Quantified	F	Actual				10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	66.53951 µeq/L	Detected and Quantified	F	Actual				10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	17.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	66.52281 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	27.86425 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	54.35236 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	13.38812 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	116.051 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	0.59098 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	44.374 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Cl_Ions_AutoStream	19.40678 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	162.13404 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	130.91127 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.80743	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	144.08948 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.88871	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** STAN **Visit Date:** 10/7/2006 10:00 AM

Activity: 061007100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	6.3655	Detected and Quantified	F	Actual				10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_AutoStream	6.33	Detected and Quantified	F	Actual				10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	77.71173 µeq/L	Detected and Quantified	F	Actual				10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	53.46669 µeq/L	Detected and Quantified	F	Actual				10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	17.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_AutoStream	69.7255 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	28.9579 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	53.46809 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	13.69694 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	114.341 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	46.54054 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	19.03404 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	165.85493 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	119.08177 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.71799	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	143.32681 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.86417	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 10/7/2006 6:00 AM

Activity: 061007060001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	6.4163	Detected and Quantified	F	Actual				10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_AutoStream	6.44	Detected and Quantified	F	Actual				10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	87.13206 µeq/L	Detected and Quantified	F	Actual				10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	71.00622 µeq/L	Detected and Quantified	F	Actual				10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	18.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	75.56683 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	29.29162 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	57.48779 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	12.12309 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	125.247 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	0.69368 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	42.87228 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Cl_Ions_AutoStream	20.48996 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	174.47583 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	135.06214 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.7741	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	151.18798 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.86653	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** STAN **Visit Date:** 10/7/2006 8:00 PM

Activity: 061007200001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	6.5583	Detected and Quantified	F	Actual				10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_AutoStream	6.58	Detected and Quantified	F	Actual				10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	74.71431 µeq/L	Detected and Quantified	F	Actual				10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	68.55384 µeq/L	Detected and Quantified	F	Actual				10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	18.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_AutoStream	74.329 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	31.45639 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	57.41584 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	12.9353 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	127.123 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	58.93413 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	20.17225 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	176.14303 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	147.70072 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.83853	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	153.86119 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.8735	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 10/8/2006 6:00 PM

Activity: 061008180001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	6.5046	Detected and Quantified	F	Actual				10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_AutoStream	6.44	Detected and Quantified	F	Actual				10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	77.43612 µeq/L	Detected and Quantified	F	Actual				10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	66.05416 µeq/L	Detected and Quantified	F	Actual				10/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	18.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	66.34734 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	28.7111 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	57.9592 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	10.99254 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	134.111 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	1.30827 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	58.99694 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Cl_Ions_AutoStream	21.22296 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	164.01668 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	147.58233 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.8998	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	158.96429 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.9692	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** STAN **Visit Date:** 10/8/2006 2:00 PM

Activity: 061008140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	6.5273	Detected and Quantified	F	Actual				10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_AutoStream	6.48	Detected and Quantified	F	Actual				10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	75.07254 µeq/L	Detected and Quantified	F	Actual				10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	72.18282 µeq/L	Detected and Quantified	F	Actual				10/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	18.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_AutoStream	66.8016 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	28.84269 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	58.77292 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	11.20262 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	134.36 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	2.96883 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	59.81363 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	21.17508 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	165.62633 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	156.14036 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.94273	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	159.03008 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.96017	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 10/9/2006 4:00 AM

Activity: 061009040001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	6.3499	Detected and Quantified	F	Actual				10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_AutoStream	6.21	Detected and Quantified	F	Actual				10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	78.18056 µeq/L	Detected and Quantified	F	Actual				10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	56.00839 µeq/L	Detected and Quantified	F	Actual				10/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	18.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	66.48386 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	28.7995 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	58.94317 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	9.59886 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	134.261 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	1.93848 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	54.48594 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Cl_Ions_AutoStream	21.27592 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	163.83189 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	133.70873 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.81613	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	155.8809 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.95147	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** STAN **Visit Date:** 10/9/2006 12:00 AM

Activity: 061009000001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	6.6804	Detected and Quantified	F	Actual				10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_AutoStream	6.58	Detected and Quantified	F	Actual				10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	75.71966 µeq/L	Detected and Quantified	F	Actual				10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	73.6055 µeq/L	Detected and Quantified	F	Actual				10/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	18.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/13/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_AutoStream	66.66691 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	28.92219 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	58.93332 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	10.72699 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	133.464 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	1.79634 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	56.75354 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	21.27666 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	165.25591 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	153.43204 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.92845	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	155.5462 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.94124	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 10/10/2006 8:50 AM
Visit Comment: SUSIE MABEN //
//Sunny, warm
Rain event, mild

Activity: 061010085001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.3261	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.37	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	80.21976 µeq/L	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	76.16253 µeq/L	Detected and Quantified	F	Actual				10/19/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	65.26816 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	28.00538 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	58.45251 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	9.95059 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	136.535 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	48.842 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	20.55479 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	161.68314 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	145.59982 µeq/L	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.90053	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_MET_IC2_GRAB	149.65705 µeq/L	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_MET_IC2_GRAB	0.92562	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06101008500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	13.3 °C	Detected and Quantified	F	Actual				10/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 10/10/2006 10:00 PM

Activity: 061010220001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	6.457	Detected and Quantified	F	Actual				10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_AutoStream	6.39	Detected and Quantified	F	Actual				10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Metrohm_AutoStream	83.9507 µeq/L	Detected and Quantified	F	Actual			10/20/2006
Dilution: N	*Recovery:* N	*Correction:* N					
ANC_Manual_AutoStream	55.03764 µeq/L	Detected and Quantified	F	Actual			10/25/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	17.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	10/20/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_AutoStream	65.32959 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	27.77788 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	59.48615 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	10.12374 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	137.133 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	1.8787 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	47.83381 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	21.50104 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	162.72386 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	126.25119 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.77586	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

SAA_MET_IC2_AUTO	155.16425 µeq/L	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_MET_IC2_AUTO	0.95354	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** STAN **Visit Date:** 10/10/2006 6:00 PM

Activity: 061010180001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	6.4145	Detected and Quantified	F	Actual				10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_AutoStream	6.42	Detected and Quantified	F	Actual				10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	82.48748 µeq/L	Detected and Quantified	F	Actual				10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	50.96709 µeq/L	Detected and Quantified	F	Actual				10/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	17.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	64.60647 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	27.56177 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	59.45093 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	10.09716 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	137.415 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	1.7231 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	49.04531 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	21.50042 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	161.72283 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	123.23592 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.76202	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	154.75631 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.95692	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** STAN **Visit Date:** 10/11/2006 6:00 PM

Activity: 061011180001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	6.4271	Detected and Quantified	F	Actual				10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_AutoStream	6.46	Detected and Quantified	F	Actual				10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	83.96456 µeq/L	Detected and Quantified	F	Actual				10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_AutoStream	57.99937 µeq/L	Detected and Quantified	F	Actual			10/25/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	17.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	10/20/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_AutoStream	64.32536 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	27.20923 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	59.74587 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	10.19109 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	137.631 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	1.55566 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	45.8901 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	21.4145 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	161.47805 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	126.85963 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.78562	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	152.82482 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

IONRATIO_MET_IC2_AUTO	0.94641	Detected and Quantified	F	Actual				4/23/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 10/11/2006 6:00 AM

Activity: 061011060001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	6.5024	Detected and Quantified	F	Actual				10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_AutoStream	6.51	Detected and Quantified	F	Actual				10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	84.06789 µeq/L	Detected and Quantified	F	Actual				10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	63.55448 µeq/L	Detected and Quantified	F	Actual				10/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	17.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	64.32334 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	27.65046 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	59.63018 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	9.97641 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	137.465 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_AutoStream	1.79721 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	47.32761 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	21.71971 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	161.58689 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	134.39901 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.83174	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	154.91242 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.95869	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** STAN **Visit Date:** 10/11/2006 10:00 PM

Activity: 061011220001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	6.6191	Detected and Quantified	F	Actual				10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_AutoStream	6.55	Detected and Quantified	F	Actual				10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	87.70855 µeq/L	Detected and Quantified	F	Actual				10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	61.5402 µeq/L	Detected and Quantified	F	Actual				10/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_AutoStream	17.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	10/20/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_AutoStream	65.4768 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	27.78176 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	59.94215 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	10.17432 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	137.182 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	1.13906 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	45.40862 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	21.53724 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	163.38153 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	129.62512 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.79339	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	155.79347 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.95356	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 10/11/2006 12:00 AM

Activity: 061011000001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	6.513	Detected and Quantified	F	Actual				10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_AutoStream	6.48	Detected and Quantified	F	Actual				10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	85.477 µeq/L	Detected and Quantified	F	Actual				10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_AutoStream	66.05416 µeq/L	Detected and Quantified	F	Actual				10/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	17.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	66.77757 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	28.10807 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	60.78337 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	9.78779 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	135.854 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	1.334 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	47.10336 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Cl_Ions_AutoStream	22.9131 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	165.4633 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_AUTO	137.40462 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_AUTO	0.83042	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	156.82746 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.94781	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** STAN **Visit Date:** 10/17/2006 9:30 AM

Visit Comment: SUSIE MABEN //
//Rain, mild
Fair, frost

Activity: 061017093001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.2909	Detected and Quantified	F	Actual				10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.3	Detected and Quantified	F	Actual				10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	83.35379 µeq/L	Detected and Quantified	F	Actual				10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	57.99937 µeq/L	Detected and Quantified	F	Actual				10/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	62.36504 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	26.46425 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	59.24236 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	10.77107 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	135.107 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	41.87697 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	21.88447 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	158.84922 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	121.80131 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.76677	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	147.15573 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.92639	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06101709300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11.4 °C	Detected and Quantified	F	Actual				10/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 10/24/2006 9:40 AM
Visit Comment: SUSIE MABEN //
//Cold, windy, partly sunny
Cool, mostly fair

Activity: 061024094001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.7373	Detected and Quantified	F	Actual				10/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.96	Detected and Quantified	F	Actual				10/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	87.5773 µeq/L	Detected and Quantified	F	Actual				10/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	83.55192 µeq/L	Detected and Quantified	F	Actual				10/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/26/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	62.31194 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	26.77107 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	60.30017 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_Grab	10.16775 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	139.158 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	2.42176 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	42.24784 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	21.78906 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	161.97269 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	147.62932 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.91145	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	151.6547 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.9363	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06102409400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8.7 °C	Detected and Quantified	F	Actual				10/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 10/30/2006 8:00 AM
Visit Comment: SUSIE MABEN //
//Mostly sunny, mild
Fair, some precip.

Activity: 061030080001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.7997	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.91	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	91.51461 µeq/L	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	86.10409 µeq/L	Detected and Quantified	F	Actual				11/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	66.05684 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	28.18175 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	62.09949 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	11.06392 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	140.054 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	45.99177 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	23.05507 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	167.4085 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	155.19143 µeq/L	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.92702	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_MET_IC2_GRAB	160.60195 µeq/L	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_MET_IC2_GRAB	0.95934	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06103008000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9.3 °C	Detected and Quantified	F	Actual				10/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0610300800S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	0.7 mg/l	Detected and Quantified	F	Actual	0.172339614 mg/l	0.548039971 mg/l		3/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Non-filterable Residue	1.05 mg/l	Detected and Quantified	F	Actual	0.179602815 mg/l	0.571136951 mg/l		3/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 11/8/2006 3:00 PM
Visit Comment: FAD // //rainin
seasonal

Activity: 061108150001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.6498	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	91.60206 µeq/L	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	73.79648 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/3/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	31.4617 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/3/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	60.07694 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/3/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	14.71394 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/3/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	127.82 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/3/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		8/3/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	51.35102 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/3/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	22.56599 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/3/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	180.05556 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_MET_IC2_GRAB	165.55957 µeq/L	Detected and Quantified	F	Actual				4/23/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_MET_IC2_GRAB	0.91949	Detected and Quantified	F	Actual				4/23/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06110815000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11.5 °C	Detected and Quantified	F	Actual				11/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 11/8/2006 4:00 PM

Activity: 061108160001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	6.6864	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	91.94634 µeq/L	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	19.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	72.59657 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	30.80427 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	60.54652 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_AutoStream	14.66762 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	130.111 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	0.9312 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	52.75942 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	23.81824 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	179.54618 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	168.5645 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.93884	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** STAN **Visit Date:** 11/8/2006 6:00 AM

Activity: 061108060001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	6.5567	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	94.39629 µeq/L	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	18.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_AutoStream	70.49541 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	29.88894 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	54.03209 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	18.82113 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	114.158 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	42.96935 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	23.52436 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	173.24407 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	160.9305 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.92892	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** STAN **Visit Date:** 11/8/2006 4:00 AM

Activity: 061108040001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	6.6217	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Metrohm_AutoStream	96.92876 µeq/L	Detected and Quantified	F	Actual			11/20/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	19.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	11/20/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_AutoStream	67.84088 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	29.06547 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	56.77168 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	18.38644 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	120.433 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	44.09769 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	23.75293 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	172.07097 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	164.81988 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.95786	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 11/8/2006 2:00 AM

Activity: 061108020001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	6.6249	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	95.84862 µeq/L	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	18.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	67.83386 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	28.45244 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	56.02925 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	15.05465 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	123.687 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	0.71024 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	41.39843 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	23.40536 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_AUTO	167.3767 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_MET_IC2_AUTO	161.36265 µeq/L	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_MET_IC2_AUTO	0.96407	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** STAN **Visit Date:** 11/9/2006 10:00 PM

Activity: 061109220001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	6.4247	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	81.9989 µeq/L	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	19.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	69.55175 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	30.02886 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	61.53887 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	12.34817 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	136.518 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	0.68189 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_AutoStream	54.94061 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_AutoStream	29.57636 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_AUTO	174.14954 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_MET_IC2_AUTO	166.55637 µeq/L	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_MET_IC2_AUTO	0.9564	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** STAN **Visit Date:** 11/9/2006 4:00 AM

Activity: 061109040001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	6.6281	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	91.19598 µeq/L	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	19.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	70.46587 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	30.89675 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	61.55255 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	13.63111 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_AutoStream	135.954 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	57.38471 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	23.81718 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	176.55278 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	172.43837 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.9767	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** STAN **Visit Date:** 11/10/2006 8:00 AM

Activity: 061110080001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	6.4615	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	83.12935 µeq/L	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	19.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	67.65797 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_AutoStream	29.30777 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	60.97829 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	11.27703 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	137.431 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	54.33267 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	25.19447 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	169.22756 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	162.69699 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.96141	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 11/14/2006 1:35 PM
Visit Comment: FAD //clear,
warm
rained several times

Activity: 061114133501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.3302	Detected and Quantified	F	Actual				11/21/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	83.43914 µeq/L	Detected and Quantified	F	Actual				11/21/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/21/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	64.82883 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	27.66657 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	62.09799 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	11.06303 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	138.726 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	50.28073 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	22.0623 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	165.66292 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_MET_IC2_GRAB	155.82267 µeq/L	Detected and Quantified	F	Actual				4/23/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_MET_IC2_GRAB	0.9406	Detected and Quantified	F	Actual				4/23/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06111413350F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	13 °C	Detected and Quantified	F	Actual				11/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 11/16/2006 12:00 PM

Activity: 061116120001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	6.4661	Detected and Quantified	F	Actual				11/29/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	84.55962 µeq/L	Detected and Quantified	F	Actual				11/29/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	17.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/29/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	61.27294 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	26.29637 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	55.23314 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_AutoStream	15.88449 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	121.562 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	1.93507 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	44.97062 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	21.8111 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	160.62201 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	151.38184 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.94247	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** STAN **Visit Date:** 11/21/2006 2:00 PM

Visit Comment: FAD // //clear,
cold
heavy rain end of last week

Activity: 061121140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.2869	Detected and Quantified	F	Actual				11/29/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	81.66451 µeq/L	Detected and Quantified	F	Actual				11/29/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	17.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	11/29/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	61.81125 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	26.21409 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	59.33562 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	9.32084 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	136.386 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	45.75772 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	21.00392 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	156.6883 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	148.46665 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.94753	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06112114000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8 °C	Detected and Quantified	F	Actual				11/21/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 11/22/2006 6:00 PM

Activity: 061122180001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	6.7112	Detected and Quantified	F	Actual				11/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	78.61752 µeq/L	Detected and Quantified	F	Actual				11/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	17 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/30/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	62.50743 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	26.55894 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	57.53383 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	10.18982 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	129.53 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	0.97824 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	44.19689 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	21.4698 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_AUTO	156.79652 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_MET_IC2_AUTO	145.26245 µeq/L	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_MET_IC2_AUTO	0.92644	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** STAN **Visit Date:** 11/22/2006 10:00 PM

Activity: 061122220001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	6.6581	Detected and Quantified	F	Actual				11/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	72.38472 µeq/L	Detected and Quantified	F	Actual				11/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	16.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/30/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	61.312 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	25.4736 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	53.72284 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	10.95235 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	117.76 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_AutoStream	42.94361 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_AutoStream	20.38704 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_AUTO	151.46729 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_MET_IC2_AUTO	135.75587 µeq/L	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_MET_IC2_AUTO	0.89627	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** STAN **Visit Date:** 11/22/2006 8:00 PM

Activity: 061122200001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	6.7066	Detected and Quantified	F	Actual				11/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	74.31324 µeq/L	Detected and Quantified	F	Actual				11/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	16.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/30/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	61.04004 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	25.54724 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	55.01394 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_AutoStream	10.26735 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	124.019 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	0.6508 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	42.19858 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	20.24479 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	151.87507 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	137.40741 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.90474	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** STAN **Visit Date:** 11/23/2006 12:00 PM

Activity: 061123120001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	6.7363	Detected and Quantified	F	Actual				11/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	73.51855 µeq/L	Detected and Quantified	F	Actual				11/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	17.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/30/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_AutoStream	65.61308 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	27.84095 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	59.0549 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	10.47058 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	132.501 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	55.2327 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	22.25053 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	162.98601 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	151.04228 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.92672	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** STAN **Visit Date:** 11/23/2006 10:00 AM

Activity: 061123100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	6.7408	Detected and Quantified	F	Actual				11/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Metrohm_AutoStream	73.35927 µeq/L	Detected and Quantified	F	Actual			11/30/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_AutoStream	18 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	11/30/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_AutoStream	65.49356 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_AutoStream	28.08244 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_AutoStream	58.61344 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_AutoStream	10.525 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_AutoStream	131.19 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	1.18091 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	54.60338 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	21.16863 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	162.72094 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	150.31219 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.92374	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 11/23/2006 8:00 PM

Activity: 061123200001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	6.6827	Detected and Quantified	F	Actual				11/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	75.64029 µeq/L	Detected and Quantified	F	Actual				11/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	18.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/30/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	67.31704 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	28.76336 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	60.29698 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	10.64829 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	135.157 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_AutoStream	57.44401 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_AutoStream	21.41725 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_AUTO	167.03217 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_MET_IC2_AUTO	154.54205 µeq/L	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_MET_IC2_AUTO	0.92522	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** STAN **Visit Date:** 11/24/2006 4:00 PM

Activity: 061124160001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	6.7827	Detected and Quantified	F	Actual				11/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	76.81222 µeq/L	Detected and Quantified	F	Actual				11/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	18.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/30/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	66.02432 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	28.12955 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	60.55113 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	10.01211 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_AutoStream	136.568 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_AutoStream	54.83621 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_AutoStream	21.84906 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_AUTO	164.72361 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_MET_IC2_AUTO	153.53799 µeq/L	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_MET_IC2_AUTO	0.93209	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 11/24/2006 12:00 AM

Activity: 061124000001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_AutoStream	6.7158	Detected and Quantified	F	Actual				11/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_AutoStream	73.53793 µeq/L	Detected and Quantified	F	Actual				11/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_AutoStream	18.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/30/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_AutoStream	66.78577 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_AutoStream	28.68356 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_AutoStream	60.29389 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_AutoStream	10.55101 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_AutoStream	136.203 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_AutoStream	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_AutoStream	57.454 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_AutoStream	21.96202 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/7/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_AUTO	166.32073 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_AUTO	152.99445 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_AUTO	0.91988	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** STAN **Visit Date:** 11/28/2006 3:00 PM

Visit Comment: FAD // //Clear,
mild
significant rain last week

Activity: 061128150001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.8394	Detected and Quantified	F	Actual				11/29/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	82.49307 µeq/L	Detected and Quantified	F	Actual				11/29/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/29/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	62.01637 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	26.04451 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	60.57509 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	9.57636 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	136.718 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	45.48169 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	21.71359 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	158.21883 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	149.72885 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.94634	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06112815000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11 °C	Detected and Quantified	F	Actual				11/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 12/5/2006 11:25 AM
Visit Comment: FAD //clear,
cold
light rain last Friday

Activity: 061205112501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.7146	Detected and Quantified	F	Actual				12/7/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	74.49055 µeq/L	Detected and Quantified	F	Actual				12/7/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		12/7/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	59.84118 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	25.54393 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	60.20124 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	8.67892 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	137.863 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	42.24234 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	21.95567 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	154.27177 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_MET_IC2_GRAB	138.72906 µeq/L	Detected and Quantified	F	Actual				4/23/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_MET_IC2_GRAB	0.89925	Detected and Quantified	F	Actual				4/23/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06120511250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6 °C	Detected and Quantified	F	Actual				12/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 12/14/2006 10:45 AM
Visit Comment: SUSIE MABEN, FRANK DEVINEY
// //Cool, sunny
Light rain 12/13/06, dry otherwise, cool

Activity: 061214104501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.8467	Detected and Quantified	F	Actual				12/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	74.32508 µeq/L	Detected and Quantified	F	Actual				12/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		12/14/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	60.67159 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	25.35751 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Na_Ions_Grab	61.47824 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	8.5512 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	137.797 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	44.37741 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	21.85277 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	156.06504 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	140.59576 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.90088	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06121410450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8 °C	Detected and Quantified	F	Actual				12/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 12/19/2006 1:40 PM
Visit Comment: FAD // //Cloudy, Cool mild, no rain

Activity: 061219134001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.3304	Detected and Quantified	F	Actual				1/4/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	86.90102 µeq/L	Detected and Quantified	F	Actual				1/4/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/4/2007				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	61.48118 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	25.7529 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	63.27488 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	9.26516 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	140.253 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	44.48289 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	22.32606 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	159.78062 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_MET_IC2_GRAB	153.75047 µeq/L	Detected and Quantified	F	Actual				4/23/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_MET_IC2_GRAB	0.96226	Detected and Quantified	F	Actual				4/23/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06121913400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9 °C	Detected and Quantified	F	Actual				12/19/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** STAN **Visit Date:** 12/27/2006 1:45 PM
Visit Comment: FAD //clear.
cool
some rain

Activity: 061227134501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.2386	Detected and Quantified	F	Actual				1/4/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	79.41358 µeq/L	Detected and Quantified	F	Actual				1/4/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/4/2007				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	66.09113 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	28.02954 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Na_Ions_Grab	63.66224 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	9.43159 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	141.996 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	55.11825 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	22.22422 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	167.221 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	156.79655 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.93766	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06122713450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	7.5 °C	Detected and Quantified	F	Actual				12/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 1/4/2005 1:20 PM
Visit Comment: SUSIE MABEN // // Unseasonably warm, partly cloudy Dry

Activity: 050104132001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.16	Detected and Quantified	F	Actual				1/6/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	6.2 µeq/L	Detected and Quantified	F	Actual				1/19/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/6/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	29.341 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	45.512 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	19.923 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	36.634 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	81.373 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		2/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	2.882 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	82.202 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	19.345 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	131.41 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	110.629 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

IONRATIO_2PT_IC1_AA_GRAB	0.84186	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 050104132002 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.055.												

Activity: 05010413200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10 °C	Detected and Quantified	F	Actual				1/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 1/11/2005 1:20 PM
Visit Comment: SUSIE MABEN // // Cloudy, warm Unseasonably warm, some rain

Activity: 050111132001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.2	Detected and Quantified	F	Actual				1/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	10.3 µeq/L	Detected and Quantified	F	Actual				1/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/13/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	29.541 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_AA_Grab	47.405 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	20.402 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	36.07 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	80.51 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	2/23/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.08.							
SO4_IC_Grab	82.118 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	19.232 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	133.418 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	111.7505 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.8376	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 050111132002 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.111.												

Activity: 05011113200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8.4 °C	Detected and Quantified	F	Actual				1/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 1/18/2005 1:10 PM
Visit Comment: SUSIE MABEN // // Very cold, sunny Rain, then turned cold

Activity: 050118131001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.16	Detected and Quantified	F	Actual				1/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	14.4 µeq/L	Detected and Quantified	F	Actual				1/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/22/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	31.537 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	47.899 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	18.836 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	34.074 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	79.232 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		2/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	8.726 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_IC_Grab	82.514 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	18.443 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	132.346 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	124.083 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.93757	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 050118131002 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.111.												

Activity: 05011813100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4.4 °C	Detected and Quantified	F	Actual				1/18/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 1/25/2005 12:35 PM
Visit Comment: SUSIE MABEN // // Cold, mostly cloudy Snow, cold

Activity: 050125123501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.07	Detected and Quantified	F	Actual				1/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	10.8 µeq/L	Detected and Quantified	F	Actual				2/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/27/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	30.439 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	48.146 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	19.227 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	32.819 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	78.053 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	8.131 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	82.098 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	18.471 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	130.631 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	119.5 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

IONRATIO_2PT_IC1_AA_GRAB	0.91479	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 050125123502 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.111.												

Activity: 05012512350F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	3.6 °C	Detected and Quantified	F	Actual				1/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 2/1/2005 12:00 PM
Visit Comment: SUSIE MABEN // // Clear, cool Cold, snow/sleet/freezing rain event

Activity: 050201120001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.2	Detected and Quantified	F	Actual				2/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	14.4 µeq/L	Detected and Quantified	F	Actual				2/23/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/2/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	31.637 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_AA_Grab	49.298 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	18.922 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	33.254 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	77.638 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	6.005 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	82.534 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	18.612 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	133.111 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	121.551 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.91316	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 050201120002 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Result Comment: Reported value of 0.055.

Activity: 05020112000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4 °C	Detected and Quantified	F	Actual				2/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 2/8/2005 2:10 PM
Visit Comment: SUSIE MABEN, JOHN MABEN // // Warm, mostly sunny A little mixed precip., cool

Activity: 050208141001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.2	Detected and Quantified	F	Actual				2/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	14.4 µeq/L	Detected and Quantified	F	Actual				2/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/10/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	32.684 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	49.298 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	20.14 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	35.123 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	77.804 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	7.519 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_IC_Grab	83.866 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	19.712 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	137.245 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	125.497 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.9144	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 050208141002 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.055.												

Activity: 05020814100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6 °C	Detected and Quantified	F	Actual				2/8/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 2/15/2005 12:10 PM
Visit Comment: SUSIE MABEN // // Mostly sunny, warm Mild, a little rain

Activity: 050215121001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.29	Detected and Quantified	F	Actual				2/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	15.8 µeq/L	Detected and Quantified	F	Actual				2/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/17/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	31.188 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	48.886 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	20.184 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	35.302 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	77.007 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.048.												
SO4_IC_Grab	83.2 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	19.486 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	135.56 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	118.5865 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.87479	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 050215121002 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.055.												

Activity: 05021512100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	5.5 °C	Detected and Quantified	F	Actual				2/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 2/22/2005 1:50 PM
Visit Comment: SUSIE MABEN // // Mild, clouds east of Blue Ridge Rain 2/21/05

Activity: 050222135001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.19	Detected and Quantified	F	Actual				2/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	14.4 µeq/L	Detected and Quantified	F	Actual				3/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/24/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_AA_Grab	30.938 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	47.734 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	19.88 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	34.099 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	75.829 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	81.474 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	18.781 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	132.651 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	114.7555 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.86509	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 050222135002 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.011.												

Activity: 05022213500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6.5 °C	Detected and Quantified	F	Actual				2/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 3/1/2005 12:15 PM
Visit Comment: SUSIE MABEN // // Cold, partly sunny 2 snow events, cold

Activity: 050301121501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.17	Detected and Quantified	F	Actual				3/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	15.8 µeq/L	Detected and Quantified	F	Actual				3/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	16.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/3/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	29.341 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	45.1 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	19.575 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	31.437 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	75.912 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	7.036 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_IC_Grab	77.979 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	18.161 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	125.453 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	118.976 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.94837	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 050301121502 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of -0.008.												

Activity: 05030112150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	3.5 °C	Detected and Quantified	F	Actual				3/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 3/8/2005 11:55 AM

Visit Comment: SUSIE MABEN // // Drastic temp. drop, AM rain turned to snow, then clearing, windy & cold. Wintry mix precip. events, warm yesterday.

Activity: 050308115501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.1	Detected and Quantified	F	Actual				3/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	12.8 µeq/L	Detected and Quantified	F	Actual				3/14/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	16.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/10/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	32.435 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	47.569 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	18.879 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	34.125 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	71.164 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	1.658 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	83.886 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	16.976 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	133.008 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	115.32 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

IONRATIO_2PT_IC1_AA_GRAB	0.86702	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 050308115502 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.111.												

Activity: 05030811550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4.8 °C	Detected and Quantified	F	Actual				3/8/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 3/15/2005 11:55 AM
Visit Comment: SUSIE MABEN // // Sunny, cool Cool, some mixed precip.

Activity: 050315115501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.17	Detected and Quantified	F	Actual				3/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	14.4 µeq/L	Detected and Quantified	F	Actual				3/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	16.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/17/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	29.89 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_AA_Grab	45.183 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	19.444 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	33.638 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	75.513 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	5.233 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	81.765 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	18.189 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	128.155 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	119.587 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.93314	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 050315115502 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Result Comment: Reported value of 0.111.

Activity: 05031511550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6 °C	Detected and Quantified	F	Actual				3/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 3/22/2005 2:10 PM
Visit Comment: SUSIE MABEN // // Mostly sunny Dry

Activity: 050322141001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.22	Detected and Quantified	F	Actual				3/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	16.9 µeq/L	Detected and Quantified	F	Actual				3/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	16.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/24/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	28.593 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	43.537 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	19.488 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	33.485 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	72.791 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	4.138 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_IC_Grab	79.914 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	18.358 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	125.103 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	119.31 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.95369	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 050322141002 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of -0.111.												

Activity: 05032214100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	7.5 °C	Detected and Quantified	F	Actual				3/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 3/29/2005 11:30 AM
Visit Comment: SUSIE MABEN, DOUG TOBIAS // // Warm, clearing to sunny Rain, cool

Activity: 050329113001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.1	Detected and Quantified	F	Actual				3/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	12 µeq/L	Detected and Quantified	F	Actual				4/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/31/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	31.387 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	46.582 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	19.271 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	35.405 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	74.019 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	6.939 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	81.64 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	18.527 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	132.645 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	119.106 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

IONRATIO_2PT_IC1_AA_GRAB	0.89793	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 050329113002 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.055.												

Activity: 05032911300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10 °C	Detected and Quantified	F	Actual				3/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 4/5/2005 11:05 AM
Visit Comment: DOUG TOBIAS, SUSIE MABEN // // Warm, sunny Precip. over weekend

Activity: 050405110501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.18	Detected and Quantified	F	Actual				4/7/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	12.9 µeq/L	Detected and Quantified	F	Actual				4/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	16.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/7/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	30.539 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_AA_Grab	45.841 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	19.662 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	36.07 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	74.567 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Present <QL	*Present <QL	F	Actual	0.201 ueq/L	0.639 ueq/L	11/11/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.258.							
SO4_IC_Grab	81.723 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/11/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	18.386 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/11/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	132.112 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	113.429 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.85858	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 050405110502 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.111.												

Activity: 05040511050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8.5 °C	Detected and Quantified	F	Actual				4/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 4/12/2005 9:55 AM
Visit Comment: DOUGLAS TOBIAS // // Cold, cloudy, some sprinkles Moderate temps., some rain

Activity: 050412095501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.25	Detected and Quantified	F	Actual				4/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	18.7 µeq/L	Detected and Quantified	F	Actual				4/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/13/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	29.591 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	45.759 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	19.836 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	37.504 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	73.206 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.064.												

SO4_IC_Grab	81.411 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	18.668 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	132.69 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	118.8795 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.89592	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 050412095502 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of -0.055.												

Activity: 05041209550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9.8 °C	Detected and Quantified	F	Actual				4/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 4/19/2005 10:50 AM
Visit Comment: DOUGLAS TOBIAS // // Warm, some rain Warm, mostly clear

Activity: 050419105001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.3	Detected and Quantified	F	Actual				4/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	21.1 µeq/L	Detected and Quantified	F	Actual				4/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/21/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	29.99 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	45.677 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	20.575 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	38.4 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	70.417 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.048.												
SO4_IC_Grab	82.264 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	18.838 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	134.642 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	122.3025 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.90835	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 050419105002 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of -0.055.												

Activity: 05041910500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11 °C	Detected and Quantified	F	Actual				4/19/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 4/26/2005 9:50 AM
Visit Comment: DOUGLAS TOBIAS // // Cool, partly cloudy, windy Cool, some rain & thunder

Activity: 050426095001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.29	Detected and Quantified	F	Actual				4/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	18.7 µeq/L	Detected and Quantified	F	Actual				5/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	16.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/27/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_AA_Grab	29.191 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	44.195 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	20.402 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	35.789 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	71.131 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	5.764 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	78.333 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	18.838 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	129.577 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	121.635 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.93871	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 050426095002 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of -0.055.												

Activity: 05042609500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9.2 °C	Detected and Quantified	F	Actual				4/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 5/3/2005 9:00 AM
Visit Comment: DOUGLAS TOBIAS // // Cool, partly cloudy Warm, partly cloudy, scattered rain showers

Activity: 050503090001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.28	Detected and Quantified	F	Actual				5/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	20.4 µeq/L	Detected and Quantified	F	Actual				5/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	16.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/4/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	29.99 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	45.347 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	20.488 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	36.429 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	69.969 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	4.975 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_IC_Grab	79.019 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	18.668 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	132.254 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	123.062 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.9305	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 050503090002 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of -0.111.												

Activity: 05050309000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8.5 °C	Detected and Quantified	F	Actual				5/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 5/10/2005 9:40 AM
Visit Comment: DOUGLAS TOBIAS // // Warm, cloudy Cool to warm, partly cloudy

Activity: 050510094001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.26	Detected and Quantified	F	Actual				5/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	21.9 µeq/L	Detected and Quantified	F	Actual				5/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	16.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/12/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	29.74 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	45.018 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	20.619 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	38.4 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	64.856 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	2.061 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	79.269 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	18.809 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	133.777 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	122.039 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

IONRATIO_2PT_IC1_AA_GRAB	0.91226	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 050510094002 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of -0.055.												

Activity: 05051009400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11.3 °C	Detected and Quantified	F	Actual				5/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 5/17/2005 11:00 AM
Visit Comment: DOUGLAS TOBIAS, SUSIE MABEN // // Cool, partly cloudy Thunderstorms over weekend, warm

Activity: 050517110001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.35	Detected and Quantified	F	Actual				5/19/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	31.2 µeq/L	Detected and Quantified	F	Actual				5/19/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/19/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	31.587 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_AA_Grab	48.392 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	21.663 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	41.933 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	65.62 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.064.							
SO4_IC_Grab	80.309 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	19.402 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	143.575 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	131.0115 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.9125	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 050517110002 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of -0.111.												

Activity: 05051711000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12.8 °C	Detected and Quantified	F	Actual				5/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 5/24/2005 11:45 AM
Visit Comment: DOUGLAS TOBIAS // Raining while at site // Cool, cloudy, light rain Cool, partly cloudy, some heavy rain, and thunder

Activity: 050524114501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.21	Detected and Quantified	F	Actual				5/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	35.4 µeq/L	Detected and Quantified	F	Actual				5/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/26/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	34.132 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	52.096 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	21.62 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	42.522 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	69.521 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	6.166 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_IC_Grab	80.6 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	19.148 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	150.37 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	141.314 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.93978	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 050524114502 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of -0.111.												

Activity: 05052411450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11.8 °C	Detected and Quantified	F	Actual				5/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 5/31/2005 12:50 PM
Visit Comment: DOUGLAS TOBIAS // // Cool, partly cloudy Cool, partly cloudy, some light rain

Activity: 050531125001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.41	Detected and Quantified	F	Actual				6/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	36.1 µeq/L	Detected and Quantified	F	Actual				6/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		6/2/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	34.78 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	53.495 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	22.054 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	43.622 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	69.288 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	3.623 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	80.517 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	19.655 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	153.951 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	139.895 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

IONRATIO_2PT_IC1_AA_GRAB	0.9087	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 050531125002 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of -0.111.												

Activity: 05053112500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	14.3 °C	Detected and Quantified	F	Actual				5/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 6/7/2005 9:20 AM
Visit Comment: DOUGLAS TOBIAS // // Hot, partly cloudy Cool, cloudy, rain

Activity: 050607092001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.29	Detected and Quantified	F	Actual				6/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	42.9 µeq/L	Detected and Quantified	F	Actual				6/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		6/9/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	36.876 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_AA_Grab	55.635 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	22.142 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	44.544 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	71.197 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	12.574 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	79.726 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	19.712 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	159.197 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	154.912 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.97308	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 050607092002 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Result Comment: Reported value of -0.166.

Activity: 05060709200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	15 °C	Detected and Quantified	F	Actual				6/7/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 6/14/2005 9:40 AM
Visit Comment: DOUGLAS TOBIAS // // Hot, mostly sunny Hot, partly cloudy, some brief rain and thunder storms

Activity: 050614094001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.29	Detected and Quantified	F	Actual				6/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	46.1 µeq/L	Detected and Quantified	F	Actual				6/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		6/16/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	38.423 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	57.939 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	22.838 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	47.078 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	75.281 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	12.252 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_IC_Grab	78.437 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	20.078 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/17/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	166.278 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	156.867 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.9434	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 050614094002 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.222.												

Activity: 05061409400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	16 °C	Detected and Quantified	F	Actual				6/14/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

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Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 6/21/2005 8:25 AM
Visit Comment: DOUGLAS TOBIAS // // Cool, cloudy Cool to warm, partly cloudy

Activity: 050621082501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.36	Detected and Quantified	F	Actual				6/23/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	48.6 µeq/L	Detected and Quantified	F	Actual				6/23/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	21.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		6/23/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	40.319 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	61.231 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	23.272 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	47.693 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	78.568 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	14.683 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	78.333 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	19.994 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/17/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	172.515 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	161.61 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

IONRATIO_2PT_IC1_AA_GRAB	0.93679	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 050621082502 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.222.												

Activity: 05062108250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	14.3 °C	Detected and Quantified	F	Actual				6/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 6/28/2005 8:45 AM
Visit Comment: DOUGLAS TOBIAS, CHRIS MOORE // Stream level low and barely flowing // Hot, dry, sunny Hot, dry, partly cloudy

Activity: 050628084501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.19	Detected and Quantified	F	Actual				7/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	61.2 µeq/L	Detected and Quantified	F	Actual				7/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	22 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/11/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	41.617 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_AA_Grab	63.865 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	23.882 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	50.637 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	90.487 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	11.286 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	78.998 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	20.924 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	180.001 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	172.408 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.95782	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 050628084502 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Result Comment: Reported value of 0.055.

Activity: 05062808450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	17.5 °C	Detected and Quantified	F	Actual				6/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 7/5/2005 9:15 AM
Visit Comment: CHRIS MOORE, ALLEN SMITH // // Cloudy, rainy Hot, scattered T-storms

Activity: 050705091501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.01	Detected and Quantified	F	Actual				7/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	54.5 µeq/L	Detected and Quantified	F	Actual				7/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	22.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/11/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	40.968 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	63.206 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	24.316 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	51.354 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	89.258 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	9.225 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_IC_Grab	77.272 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_IC_Grab	20.727 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_AA_GRAB	179.844 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC1_GRAB	161.724 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC1_AA_GRAB	0.89925	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 050705091502 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.055.												

Activity: 05070509150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	17 °C	Detected and Quantified	F	Actual				7/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

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Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 7/12/2005 9:15 AM
Visit Comment: CHRIS MOORE // // Partly cloudy, warm Hot, T-storms

Activity: 050712091501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6	Detected and Quantified	F	Actual				7/14/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	38.7 µeq/L	Detected and Quantified	F	Actual				7/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/14/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	36.976 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	55.223 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	22.751 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	46.797 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	90.669 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	10.256 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	78.936 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	19.204 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	161.747 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	147.096 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

IONRATIO_2PT_IC1_AA_GRAB	0.90942	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 050712091502 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.055.												

Activity: 05071209150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	17 °C	Detected and Quantified	F	Actual				7/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 7/19/2005 8:40 AM
Visit Comment: CHRIS MOORE // // Cloudy, hot, humid Hot, humid

Activity: 050719084001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.11	Detected and Quantified	F	Actual				7/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	53.7 µeq/L	Detected and Quantified	F	Actual				8/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/21/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	39.321 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_AA_Grab	58.762 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	23.621 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	49.28 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	91.914 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	12.429 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	77.792 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	19.825 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	170.984 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	163.746 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.95767	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 050719084002 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Result Comment: Reported value of 0.008.

Activity: 05071908400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	19 °C	Detected and Quantified	F	Actual				7/19/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 7/26/2005 8:10 AM
Visit Comment: CHRIS MOORE // // Clear, warm Hot, humid, dry

Activity: 050726081001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.18	Detected and Quantified	F	Actual				7/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	57.8 µeq/L	Detected and Quantified	F	Actual				8/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	22.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/28/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	40.12 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	60.408 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	24.186 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	50.637 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	94.52 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	15.923 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_IC_Grab	76.835 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	18.95 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	175.351 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	169.508 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.96668	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 050726081002 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.008.												

Activity: 05072608100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18 °C	Detected and Quantified	F	Actual				7/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 8/2/2005 9:45 AM
Visit Comment: CHRIS MOORE // // Hot, clear Hot, dry

Activity: 050802094501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.21	Detected and Quantified	F	Actual				8/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	62.9 µeq/L	Detected and Quantified	F	Actual				8/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	22.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/5/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	41.018 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	62.466 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	24.882 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	52.403 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	96.479 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	15.553 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	76.211 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	20.248 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	180.769 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	174.912 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

IONRATIO_2PT_IC1_AA_GRAB	0.9676	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 050802094502 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.008.												

Activity: 05080209450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18 °C	Detected and Quantified	F	Actual				8/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 8/10/2005 8:10 AM
Visit Comment: CHRIS MOORE // // Clear, warm Hot, scattered T-storms

Activity: 050810081001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.25	Detected and Quantified	F	Actual				8/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	68.7 µeq/L	Detected and Quantified	F	Actual				8/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	23.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/12/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	45.559 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_AA_Grab	68.556 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	25.839 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	53.222 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	99.965 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	17.388 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	75.109 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	20.84 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	193.176 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	182.037 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.94234	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 050810081002 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Result Comment: Reported value of 0.008.

Activity: 05081008100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18 °C	Detected and Quantified	F	Actual				8/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 8/16/2005 12:25 PM
Visit Comment: CHRIS MOORE // // Cloudy, warm Hot, scattered T-storms

Activity: 050816122501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.29	Detected and Quantified	F	Actual				8/18/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	61.2 µeq/L	Detected and Quantified	F	Actual				8/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	22.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/18/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	43.413 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	64.606 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	24.273 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	52.07 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	99.285 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	14.957 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_IC_Grab	74.88 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	20.812 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	184.362 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	171.849 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.93213	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 050816122502 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of -0.111.												

Activity: 05081612250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	21 °C	Detected and Quantified	F	Actual				8/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 8/23/2005 11:50 AM
Visit Comment: SUSIE MABEN // // Mostly cloudy, warm Hot, humid, scattered thunderstorms

Activity: 050823115001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.04	Detected and Quantified	F	Actual				8/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	42.9 µeq/L	Detected and Quantified	F	Actual				8/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/26/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	39.72 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	58.927 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	24.316 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	50.253 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	100.015 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	11.592 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	77.21 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	18.697 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	173.216 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	150.399 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

IONRATIO_2PT_IC1_AA_GRAB	0.86827	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 050823115002 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.111.												

Activity: 05082311500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18.8 °C	Detected and Quantified	F	Actual				8/23/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 8/30/2005 12:35 PM
Visit Comment: SUSIE MABEN // // Mostly cloudy, some light rain Hot and humid

Activity: 050830123501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.38	Detected and Quantified	F	Actual				9/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	57.8 µeq/L	Detected and Quantified	F	Actual				9/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	21.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/1/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	41.068 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_AA_Grab	61.89 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	23.055 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	49.587 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	100.712 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	15.311 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	76.939 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	18.866 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	175.6 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	168.916 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.96194	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 050830123502 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Result Comment: Reported value of 0.166.

Activity: 05083012350F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	20 °C	Detected and Quantified	F	Actual				8/30/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 9/6/2005 12:30 PM
Visit Comment: SUSIE MABEN // // Warm, mostly sunny Fair, little rain

Activity: 050906123001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.4	Detected and Quantified	F	Actual				9/8/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	45.8 µeq/L	Detected and Quantified	F	Actual				9/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	21.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/8/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	40.219 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	60.573 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	23.272 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	49.459 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	100.048 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	15.617 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_IC_Grab	78.083 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	19.514 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	173.523 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	159.014 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.91639	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 050906123002 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.222.												

Activity: 05090612300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	17.8 °C	Detected and Quantified	F	Actual				9/6/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 9/13/2005 1:30 PM
Visit Comment: SUSIE MABEN // Very low flow. // Sunny, hot Dry, hot days, cool nights

Activity: 050913133001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.6	Detected and Quantified	F	Actual				9/14/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	51.2 µeq/L	Detected and Quantified	F	Actual				9/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	21.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/14/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	41.168 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	62.219 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	24.273 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	52.019 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	97.359 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	14.039 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	77.293 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	19.712 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	179.679 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	162.244 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

IONRATIO_2PT_IC1_AA_GRAB	0.90297	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 050913133002 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.055.												

Activity: 05091313300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18 °C	Detected and Quantified	F	Actual				9/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 9/20/2005 12:50 PM
Visit Comment: SUSIE MABEN // // Warm, some cloudiness Warm, some precip. 9/16/05

Activity: 050920125001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.65	Detected and Quantified	F	Actual				9/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	51.9 µeq/L	Detected and Quantified	F	Actual				9/23/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	21.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/21/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	40.319 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_AA_Grab	61.89 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	24.621 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	53.555 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	99.6 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	10.707 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	76.773 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	20.163 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	180.385 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	159.543 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.88446	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 050920125002 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Non-detect	*Non-detect	F	Actual	0.42 ueq/L	1.336 ueq/L		9/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Result Comment: Reported value of -0.024.

Activity: 05092012500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	19.7 °C	Detected and Quantified	F	Actual				9/20/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 9/27/2005 1:05 PM
Visit Comment: SUSIE MABEN // Extremely low flow // Sunny, warm Warm, cloudy, a little rain

Activity: 050927130501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.36	Detected and Quantified	F	Actual				10/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	80.4 µeq/L	Detected and Quantified	F	Actual				10/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	23 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/30/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	46.956 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	68.803 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	25.795 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	62.234 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	93.541 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.064.												

SO4_IC_Grab	77.376 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	22.757 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	203.788 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	180.6335 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.88638	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 050927130502 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
NH4_TC_Grab250	*Present <QL	*Present <QL	F	Actual	0.42 ueq/L	1.336 ueq/L		12/8/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.831.												

Activity: 05092713050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18.7 °C	Detected and Quantified	F	Actual				9/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 10/11/2005 12:15 PM
Visit Comment: SUSIE MABEN // // Cloudy, rain at times Heavy rain over weekend, warm

Activity: 051011121501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.67	Detected and Quantified	F	Actual				10/20/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	20.31484 µeq/L	Detected and Quantified	F	Actual				10/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/20/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	36.23821 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	54.74253 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	19.57937 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	43.12473 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	85.175 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/5/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	5.68999 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	81.01649 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	18.8795 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	153.69134 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	125.90082 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.81918	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05101112150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	15 °C	Detected and Quantified	F	Actual				10/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 10/18/2005 1:40 PM
Visit Comment: SUSIE MABEN // // Warm, mostly sunny Dry, cool nights, warm days

Activity: 051018134001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.85	Detected and Quantified	F	Actual				10/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	30.31391 µeq/L	Detected and Quantified	F	Actual				11/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/21/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	34.91653 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	53.79143 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	20.48904 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	41.99034 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	88.644 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/5/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	0.73699 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	0.71178 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	82.57247 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	19.18651 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	151.92433 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	132.78467 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.87402	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05101813400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	14 °C	Detected and Quantified	F	Actual				10/18/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 10/25/2005 12:40 PM

Visit Comment: SUSIE MABEN // // Light rain, cool Occasional rain and clouds

Activity: 051025124001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.52	Detected and Quantified	F	Actual				10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	30.31391 µeq/L	Detected and Quantified	F	Actual			11/21/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	19.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	10/31/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	31.82113 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	52.66502 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	21.04746 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	41.1324 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	85.009 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	81.48809 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	19.70217 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	9.174 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	5/23/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	146.67251 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	131.54467 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.89686	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05102512400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12 °C	Detected and Quantified	F	Actual				10/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 11/1/2005 12:15 PM
Visit Comment: SUSIE MABEN // // Warm, clear Cool nights, warm days, dry

Activity: 051101121501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6	Detected and Quantified	F	Actual				11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	21.11149 µeq/L	Detected and Quantified	F	Actual				12/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	30.81021 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	52.69319 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	20.77076 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	38.55828 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	83.813 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	0.73154 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	82.8098 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	19.21856 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	142.83894 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	123.87139 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.86721	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05110112150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10.8 °C	Detected and Quantified	F	Actual				11/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 11/8/2005 1:45 PM

Visit Comment: SUSIE MABEN // // Mix of sun, clouds and rain Warm, dry

Activity: 051108134501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.84	Detected and Quantified	F	Actual				11/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	18.00482 µeq/L	Detected and Quantified	F	Actual				12/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/11/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	31.57101 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	50.50437 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	21.54942 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	42.06814 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	81.572 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	1.12832 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	85.77357 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	20.24363 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	146.82126 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	124.06252 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.84499	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05110813450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11.8 °C	Detected and Quantified	F	Actual				11/8/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 11/15/2005 2:00 PM
Visit Comment: SUSIE MABEN // // Warm, partly to mostly cloudy, some sun Mild, some precip.

Activity: 051115140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.16	Detected and Quantified	F	Actual				11/18/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	32.87203 µeq/L	Detected and Quantified	F	Actual				12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/18/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	30.47255 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	43.18834 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	20.6549 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	40.6923 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	78.435 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	0.32778 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	82.65673 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	19.48318 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	135.33587 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	135.05244 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.99791	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05111514000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12.5 °C	Detected and Quantified	F	Actual				11/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 11/22/2005 12:00 PM
Visit Comment: SUSIE MABEN // // Rain, then clearing, cold & breezy Fall-like

Activity: 051122120001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.58	Detected and Quantified	F	Actual				11/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	17.87364 µeq/L	Detected and Quantified	F	Actual				12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/28/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	32.35099 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	51.28977 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	20.33937 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	39.71391 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	78.667 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	83.37332 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	21.23816 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	143.70054 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	122.52562 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.85265	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05112212000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9 °C	Detected and Quantified	F	Actual				11/22/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 12/6/2005 1:40 PM
Visit Comment: SUSIE MABEN // // Cold, partly sunny Snow 12/5, large precip. event last week

Activity: 051206134001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.74	Detected and Quantified	F	Actual				12/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	17.87364 µeq/L	Detected and Quantified	F	Actual			1/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	18.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	12/10/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	33.65871 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	49.66718 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	19.59089 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	37.14009 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	81.323 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	0.82705 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	83.77265 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	20.09609 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	140.06337 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	122.56943 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.8751	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05120613400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6 °C	Detected and Quantified	F	Actual				12/6/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 12/13/2005 11:35 AM
Visit Comment: CHRIS MOORE // // Cold, clear Cold, snow

Activity: 051213113501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.26	Detected and Quantified	F	Actual				1/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	11.16902 µeq/L	Detected and Quantified	F	Actual				1/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/4/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	32.22064 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	50.31837 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	19.14316 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	35.03257 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	80.128 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	0.11018 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_Grab	83.15526 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	19.36075 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	136.82492 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	113.72553 µeq/L	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.83118	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 05121311350F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4 °C	Detected and Quantified	F	Actual				12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 12/21/2005 10:55 AM
Visit Comment: CHRIS MOORE // // Clear, cold, icy Clear, cold, icy

Activity: 051221105501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.52	Detected and Quantified	F	Actual				1/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	12.87418 µeq/L	Detected and Quantified	F	Actual				1/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/4/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	31.73101 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	49.84024 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	19.47 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	33.87352 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	79.58 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	82.17434 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	19.43809 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	134.92127 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	114.52711 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.84884	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05122110550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	3 °C	Detected and Quantified	F	Actual				12/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 12/28/2005 10:10 AM
Visit Comment: CHRIS MOORE // // Clear, cool Clear, cool

Activity: 051228101001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.77	Detected and Quantified	F	Actual				1/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	12.87418 µeq/L	Detected and Quantified	F	Actual				1/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/5/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	31.12759 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	48.64915 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	19.68853 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	34.61054 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	79.547 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	81.70968 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	19.45062 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	134.08231 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	114.07498 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.85078	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05122810100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	5 °C	Detected and Quantified	F	Actual				12/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 1/3/2006 10:50 AM
Visit Comment: CHRIS MOORE // // Light rain, warm Scattered showers, warm

Activity: 060103105001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.15	Detected and Quantified	F	Actual				1/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	17.81508 µeq/L	Detected and Quantified	F	Actual				1/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	16.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/5/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	30.74589 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	47.98205 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	19.70186 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	34.99264 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	77.754 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	80.32277 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	19.26828 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	133.42894 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	117.44663 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.88022	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06010310500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6.5 °C	Detected and Quantified	F	Actual				1/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 1/11/2006 9:15 AM
Visit Comment: CHRIS MOORE // // Cloudy, warm Warm, dry

Activity: 060111091501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.17	Detected and Quantified	F	Actual				1/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	20.37337 µeq/L	Detected and Quantified	F	Actual			2/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	17.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	1/13/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	32.19026 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	50.20679 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	20.17859 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	36.17355 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	73.853 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	0.71671 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	80.04023 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	18.61439 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	138.75569 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	119.7447 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.86299	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06011109150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6 °C	Detected and Quantified	F	Actual				1/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 1/17/2006 12:25 PM
Visit Comment: SUSIE MABEN // // Cold, cloudy, occasional sprinkles Cool, some rain

Activity: 060117122501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.73	Detected and Quantified	F	Actual				1/22/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	5.31626 µeq/L	Detected and Quantified	F	Actual				2/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/22/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	31.85111 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	49.94212 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	19.55613 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	36.01677 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	77.157 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_Grab	83.52266 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	19.64821 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/26/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	137.37263 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	108.52763 µeq/L	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.79002	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06011712250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	5.8 °C	Detected and Quantified	F	Actual				1/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 1/24/2006 11:55 AM

Visit Comment: SUSIE MABEN // // Foggy and misting, then clear and sunny Cool, some rainy days

Activity: 060124115501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.59	Detected and Quantified	F	Actual				2/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	6.16952 µeq/L	Detected and Quantified	F	Actual				2/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	31.28424 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	48.38784 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	19.36742 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	35.86632 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	76.028 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	81.52675 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	18.98896 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	134.91232 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	106.72573 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.79107	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06012411550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6.6 °C	Detected and Quantified	F	Actual				1/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 1/31/2006 1:40 PM
Visit Comment: SUSIE MABEN // // Windy, cool Some light precip.

Activity: 060131134001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.79	Detected and Quantified	F	Actual				2/7/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	6.90186 µeq/L	Detected and Quantified	F	Actual				2/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/7/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	30.8586 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	47.76227 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	19.50991 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	35.37818 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	74.866 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	80.98106 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	18.81306 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_Grab	6.237 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		5/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	133.51546 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC2_GRAB	106.73648 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.79943	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06013113400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6 °C	Detected and Quantified	F	Actual				1/31/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 2/7/2006 9:55 AM
Visit Comment: FAD // // Clear, cold, windy Some rain

Activity: 060207095501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.23	Detected and Quantified	F	Actual				2/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	16.16851 µeq/L	Detected and Quantified	F	Actual				2/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	16.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/8/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	30.51769 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	47.46675 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	19.2805 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_Grab	33.62711 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	75.132 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	80.60384 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	18.81302 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	130.89855 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	115.62587 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.88332	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06020709550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4.5 °C	Detected and Quantified	F	Actual				2/7/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 2/14/2006 10:30 AM
Visit Comment: FAD // // clear, cold significant snow

Activity: 060214103001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.16	Detected and Quantified	F	Actual				2/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	16.16851 µeq/L	Detected and Quantified	F	Actual				2/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	16.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/15/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	29.83452 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	47.28128 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	19.33117 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	32.33993 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	71.015 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	0.70365 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	81.4368 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	18.78402 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	128.7934 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	117.09298 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.90915	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06021410300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	3.5 °C	Detected and Quantified	F	Actual				2/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 2/20/2006 3:35 PM
Visit Comment: FAD // // clear, cold cold

Activity: 060220153501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.17	Detected and Quantified	F	Actual				2/21/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	17.81508 µeq/L	Detected and Quantified	F	Actual				2/21/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	16.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/21/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	29.81559 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	47.1529 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	19.86428 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	33.31668 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	69.903 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	79.60843 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	18.73116 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	130.15595 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	116.19517 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.89274	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06022015350F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4.5 °C	Detected and Quantified	F	Actual				2/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 2/28/2006 11:40 AM

Visit Comment: SUSIE MABEN // Forgot 250 ml bottle for ammonium. // Mostly sunny, warm Clouds & sun, some precip.

Activity: 060228114001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.21	Detected and Quantified	F	Actual				3/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	16.90077 µeq/L	Detected and Quantified	F	Actual			3/1/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	16.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	3/1/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	29.96922 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	47.59039 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	20.04616 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	33.27099 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	67.28 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	81.92857 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	19.05894 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	130.88326 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	117.92878 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.90102	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06022811400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	5 °C	Detected and Quantified	F	Actual				2/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 3/7/2006 12:30 PM
Visit Comment: SUSIE MABEN // // Sunny, cold Mostly sunny, cool, little precip.

Activity: 060307123001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.24	Detected and Quantified	F	Actual				3/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	21.16801 µeq/L	Detected and Quantified	F	Actual				3/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/8/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	30.1374 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	48.16029 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	20.16108 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	34.31029 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	66.184 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	2.24642 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	81.31982 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	18.51311 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	132.77556 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	123.24736 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.92824	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06030712300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6 °C	Detected and Quantified	F	Actual				3/7/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 3/14/2006 10:15 AM

Visit Comment: FAD // // clear, cold, windy dry, warm

Activity: 060314101501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.35	Detected and Quantified	F	Actual				3/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	26.89969 µeq/L	Detected and Quantified	F	Actual				3/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/15/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	30.96955 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	49.06975 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	21.00169 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	38.55561 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	67.828 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	82.61438 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	19.26849 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	139.6031 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	128.82306 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.92278	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06031410150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9.5 °C	Detected and Quantified	F	Actual				3/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 3/21/2006 9:15 AM
Visit Comment: SUSIE MABEN // // Cloudy, light wintry mix Cool, mostly dry

Activity: 060321091501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.23	Detected and Quantified	F	Actual				3/22/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	25.37283 µeq/L	Detected and Quantified	F	Actual				3/22/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/22/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	33.07592 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	52.17066 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	21.10766 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	37.46885 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	64.757 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	82.70326 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	18.94037 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/10/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	143.82959 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	127.05696 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.88339	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06032109150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6.2 °C	Detected and Quantified	F	Actual				3/21/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 3/28/2006 11:10 AM
Visit Comment: FAD // // cloudy, cool cold, dry

Activity: 060328111001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.31	Detected and Quantified	F	Actual				3/29/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	26.85169 µeq/L	Detected and Quantified	F	Actual				3/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		3/29/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	31.45943 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	50.13077 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	20.58918 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	35.76321 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	62.267 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	0.18209 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	2.89513 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	83.47147 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	19.0251 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	138.12468 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	132.24339 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.95742	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06032811100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	7 °C	Detected and Quantified	F	Actual				3/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 4/4/2006 11:35 AM
Visit Comment: SUSIE MABEN // // Breezy, sunny, warm in afternoon Warm, shower yesterday afternoon

Activity: 060404113501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.4	Detected and Quantified	F	Actual				4/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	28.66726 µeq/L	Detected and Quantified	F	Actual			4/5/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	18 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	4/5/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	32.71963 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	51.76608 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	21.44124 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	39.37396 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	62.765 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	0.69256 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	83.30005 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	19.63667 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	145.30741 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	132.29654 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.91046	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06040411350F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10.7 °C	Detected and Quantified	F	Actual				4/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 4/11/2006 10:40 AM
Visit Comment: FAD // // clear, cool some rain

Activity: 060411104001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.38	Detected and Quantified	F	Actual				4/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	28.66726 µeq/L	Detected and Quantified	F	Actual				4/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/12/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	33.3233 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	52.1832 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	21.70704 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	40.04436 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	59.694 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	0.51392 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_Grab	83.7867 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	19.64684 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	147.2644 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	132.61472 µeq/L	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.90052	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06041110400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10.5 °C	Detected and Quantified	F	Actual				4/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 4/19/2006 12:50 PM

Visit Comment: SUSIE MABEN // // Sunny, warm Mild, some thunderstorms and rain

Activity: 060419125001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.27	Detected and Quantified	F	Actual				4/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	28.61062 µeq/L	Detected and Quantified	F	Actual				4/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/24/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	33.80476 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	52.59894 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	22.24411 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	42.01063 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	60.026 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	82.16472 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	19.88235 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	150.66494 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	130.69819 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.86748	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06041912500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	14.7 °C	Detected and Quantified	F	Actual				4/19/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 4/25/2006 10:50 AM

Visit Comment: FAD // 250 mL bottle for DOC and Aluminum aliquots was accidentally chloroformed and therefore discarded. // clear, warm some rain

Activity: 060425105001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.87	Detected and Quantified	F	Actual				5/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	16.11206 µeq/L	Detected and Quantified	F	Actual				5/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	30.42999 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	47.18796 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	21.38199 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	38.40474 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	73.953 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	78.80993 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	19.51416 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	137.41118 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	114.47665 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.8331	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06042510500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12.5 °C	Detected and Quantified	F	Actual				4/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 5/2/2006 11:00 AM
Visit Comment: FAD // // clear, cool nice

Activity: 060502110001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.22	Detected and Quantified	F	Actual				5/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	18.66826 µeq/L	Detected and Quantified	F	Actual				5/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/4/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	31.03847 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	47.77872 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	21.32435 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	38.55843 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	65.454 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	80.90321 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	19.29568 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	138.70647 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	118.90765 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.85726	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06050211000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12.5 °C	Detected and Quantified	F	Actual				5/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 5/9/2006 10:40 AM
Visit Comment: FAD // need rust remover for lock // cloudy, drizzly, cool some rain

Activity: 060509104001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.36	Detected and Quantified	F	Actual				5/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	26.11091 µeq/L	Detected and Quantified	F	Actual			5/15/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	17.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	5/11/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	32.46636 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	50.74179 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	21.52848 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	40.0718 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	66.715 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	80.77615 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	18.99888 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	144.81493 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	125.92644 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.86957	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06050910400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12 °C	Detected and Quantified	F	Actual				5/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 5/16/2006 10:00 AM
Visit Comment: FAD, CWM // // Clear warm scattered t-storms, warm

Activity: 060516100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.27	Detected and Quantified	F	Actual				5/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	30.31391 µeq/L	Detected and Quantified	F	Actual				5/18/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/17/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	31.49889 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	50.13511 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	21.81832 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	40.75048 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	68.541 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	2.90152 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	80.78098 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	19.39223 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	144.2093 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	133.38864 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.92497	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06051610000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12.5 °C	Detected and Quantified	F	Actual				5/16/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 5/23/2006 10:55 AM

Visit Comment: CHRIS MOORE // // Clear, cool Clear, dry, cool

Activity: 060523105501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.3	Detected and Quantified	F	Actual				5/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	33.66675 µeq/L	Detected and Quantified	F	Actual				6/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/25/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	32.36326 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	51.33903 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	22.38606 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	41.44953 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	69.62 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	79.90943 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	19.8678 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/16/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	147.54438 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	133.48448 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.90471	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06052310550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12.5 °C	Detected and Quantified	F	Actual				5/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 5/30/2006 9:55 AM
Visit Comment: CHRIS MOORE // // Clear, hot, humid Clear, cool, dry

Activity: 060530095501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.32	Detected and Quantified	F	Actual				6/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	39.51635 µeq/L	Detected and Quantified	F	Actual				6/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		6/1/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	34.53648 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	54.73452 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	23.15539 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	43.90752 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	72.426 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	0.17552 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	78.30267 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	19.45999 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/16/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	156.50943 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	137.31951 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.87739	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06053009550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	14.5 °C	Detected and Quantified	F	Actual				5/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 6/6/2006 4:35 PM
Visit Comment: SUSIE MABEN // // Mostly sunny, warm Warm, scattered thunderstorms

Activity: 060606163501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.45	Detected and Quantified	F	Actual				6/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	37.0166 µeq/L	Detected and Quantified	F	Actual				6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		6/8/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	36.69127 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	57.91429 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	23.65178 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	47.14417 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	75.696 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	10.57361 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	78.97124 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	19.48399 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	165.40801 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	146.04544 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.88294	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06060616350F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	16 °C	Detected and Quantified	F	Actual				6/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 6/13/2006 8:45 AM

Visit Comment: CHRIS MOORE // // Clear, cool to warm Cool, scattered T-storms

Activity: 060613084501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.99	Detected and Quantified	F	Actual				6/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	42.81274 µeq/L	Detected and Quantified	F	Actual			6/29/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	21 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	6/27/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	38.88257 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	61.61367 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	25.06779 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	47.86329 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	81.24 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	1.40715 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	4.43202 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	78.55271 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	20.38614 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	174.83447 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	146.18361 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.83613	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06061308450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	14 °C	Detected and Quantified	F	Actual				6/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 6/20/2006 8:20 AM
Visit Comment: CHRIS MOORE // Stream is so low that it is hard to get sample without stirring up sediment. // Warm to hot, clear to hazy Hot, clear

Activity: 060620082001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.06	Detected and Quantified	F	Actual				6/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	62.81088 µeq/L	Detected and Quantified	F	Actual				6/29/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	22.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		6/27/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	39.46181 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	63.38213 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	25.21292 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	51.02682 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	19.24507 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	1.88869 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	78.26776 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	21.17089 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	198.32875 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	164.13822 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.82761	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06062008200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	16 °C	Detected and Quantified	F	Actual				6/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 6/27/2006 9:10 AM
Visit Comment: CHRIS MOORE // // Hot, humid, raining Hot, humid, rain

Activity: 060627091001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.81	Detected and Quantified	F	Actual				7/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	32.87203 µeq/L	Detected and Quantified	F	Actual				7/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	31.87814 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_Grab	47.03039 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	21.88376 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	41.61725 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	79.912 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	0.23568 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	69.29628 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	17.08881 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/17/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	142.64522 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	119.29762 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.83632	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06062709100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18 °C	Detected and Quantified	F	Actual				6/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 7/4/2006 10:25 AM
Visit Comment: CHRIS MOORE // // Hot, scattered T-storms Hot, scattered T-storms

Activity: 060704102501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.09	Detected and Quantified	F	Actual				7/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	26.16751 µeq/L	Detected and Quantified	F	Actual				7/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/6/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	32.65145 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	50.60204 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	20.52064 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	43.0412 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	85.805 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	81.72715 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	18.89557 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/17/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	146.82183 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	126.83073 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.86384	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06070410250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	17 °C	Detected and Quantified	F	Actual				7/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 7/10/2006 1:40 PM
Visit Comment: CHRIS MOORE, FRANK DEVINEY // // Warm, clear Warm, scattered T-storms

Activity: 060710134001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.07	Detected and Quantified	F	Actual				7/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	29.21938 µeq/L	Detected and Quantified	F	Actual				7/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/14/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	35.28908 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	54.94014 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	21.12084 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	44.58148 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	86.054 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	81.29446 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	18.65514 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	155.93804 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	129.20948 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.82859	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06071013400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	17.5 °C	Detected and Quantified	F	Actual				7/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 7/18/2006 8:25 AM
Visit Comment: CHRIS MOORE // // Hot, humid Hot, scattered T-storms

Activity: 060718082501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.14	Detected and Quantified	F	Actual				7/19/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	50.31204 µeq/L	Detected and Quantified	F	Actual			8/17/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	20 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	7/19/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	36.07314 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	56.37243 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	21.87373 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	47.55249 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	88.511 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	55.55995 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	18.74847 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	161.87829 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	124.66096 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.77009	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06071808250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18 °C	Detected and Quantified	F	Actual				7/18/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 7/26/2006 8:15 AM
Visit Comment: CHRIS MOORE // // Warm, scattered T-storms Warm, scattered T-storms

Activity: 060726081501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.09	Detected and Quantified	F	Actual				8/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	55.31158 µeq/L	Detected and Quantified	F	Actual				8/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/9/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	39.88927 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	61.43567 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	23.13924 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	49.84758 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	91.018 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/19/2007			
Dilution: N	*Recovery:* N	*Correction:* N									
SO4_Ions_Grab	78.11693 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/19/2007			
Dilution: N	*Recovery:* N	*Correction:* N									
Cl_Ions_Grab	19.95147 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/19/2007			
Dilution: N	*Recovery:* N	*Correction:* N									
SBC_IC2_GRAB	174.31826 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_2PT_IC2_GRAB	153.42048 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_GRAB	0.88012	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Activity: 06072608150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18 °C	Detected and Quantified	F	Actual				7/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park

Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 8/1/2006 8:05 AM

Visit Comment: CHRIS MOORE // Sample was collected in two 250mL bottles. // Hot, heat advisory Hot, scattered T-storms

Activity: 060801080501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.14	Detected and Quantified	F	Actual				8/16/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	54.21631 µeq/L	Detected and Quantified	F	Actual				8/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	21.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/16/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	43.70632 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	65.70615 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	23.58686 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	51.75334 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	93.425 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	17.71163 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	77.67729 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	20.40475 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	184.75917 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	170.00998 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.92017	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06080108050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	19.5 °C	Detected and Quantified	F	Actual				8/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 8/8/2006 9:10 AM
Visit Comment: CHRIS MOORE // // Warm, humid, scattered T-storms Hot, scattered T-storms

Activity: 060808091001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.14	Detected and Quantified	F	Actual				8/16/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	63.55448 µeq/L	Detected and Quantified	F	Actual				8/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	22.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/16/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	40.83439 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/23/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	64.16778 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/23/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	24.82547 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/23/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	53.76649 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/23/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	94.554 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/23/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	11.73232 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		7/23/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	75.90014 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/23/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	20.73627 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/23/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	183.60063 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	171.92321 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.9364	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06080809100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	21.5 °C	Detected and Quantified	F	Actual				8/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 8/15/2006 9:10 AM
Visit Comment: CHRIS MOORE // // Warm, nice, cloudy to partly cloudy Warm, scattered T-storms

Activity: 060815091001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.48	Detected and Quantified	F	Actual				8/16/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	66.10635 µeq/L	Detected and Quantified	F	Actual				8/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	22.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/16/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	42.54543 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/23/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	66.75026 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/23/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	25.7989 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/23/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	55.45573 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/23/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	93.126 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	0.86532 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	76.21268 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	21.55212 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	191.41564 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	163.91165 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.85631	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06081509100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	21 °C	Detected and Quantified	F	Actual				8/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 9/6/2006 1:45 PM
Visit Comment: SUSIE MABEN // // Partly sunny, warm Rain, cool, Hurricane Ernesto remnants

Activity: 060906134501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.47	Detected and Quantified	F	Actual				9/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	27.87256 µeq/L	Detected and Quantified	F	Actual			10/14/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	19.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	9/14/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	32.51672 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	50.17386 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	20.75786 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	42.48768 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	89.109 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	81.17089 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	19.00108 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	145.94262 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	128.08503 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.87764	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06090613450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	16 °C	Detected and Quantified	F	Actual				9/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 9/12/2006 1:30 PM
Visit Comment: SUSIE MABEN // // Cool, partly cloudy Cool, fair

Activity: 060912133001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.09	Detected and Quantified	F	Actual				9/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	33.61005 µeq/L	Detected and Quantified	F	Actual				10/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/14/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	33.98898 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	53.15833 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	21.59563 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	44.2075 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	90.37 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/25/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_Grab	71.87999 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/25/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	19.14904 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/25/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	152.95694 µeq/L	Detected and Quantified	F	Actual			2/6/2008	
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	124.67958 µeq/L	Detected and Quantified	F	Actual			2/18/2008	
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.81513	Detected and Quantified	F	Actual			2/18/2008	
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06091213300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	16 °C	Detected and Quantified	F	Actual				9/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 9/19/2006 12:35 PM
Visit Comment: SUSIE MABEN // // Partly cloudy, mild Mild; some rainy, cloudy days

Activity: 060919123501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.01	Detected and Quantified	F	Actual				9/22/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	46.10862 µeq/L	Detected and Quantified	F	Actual				10/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		9/22/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	36.0391 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	56.01591 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	22.09876 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	45.62912 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	91.217 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	79.69452 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	19.28967 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	159.78939 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	145.13331 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.90828	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06091912350F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	17 °C	Detected and Quantified	F	Actual				9/19/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 9/26/2006 11:50 AM
Visit Comment: SUSIE MABEN // // Warm, sunny Fair, a few light showers

Activity: 060926115001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.08	Detected and Quantified	F	Actual				10/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	41.89808 µeq/L	Detected and Quantified	F	Actual				10/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	34.1814 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	54.69229 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	22.10157 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	45.30307 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	89.607 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	62.42804 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	19.08998 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	156.28483 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	123.4566 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.78995	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06092611500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	16 °C	Detected and Quantified	F	Actual				9/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 10/3/2006 11:20 AM
Visit Comment: SUSIE MABEN //
//Warm, mostly sunny
Fair, some showers

Activity: 061003112001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.2102	Detected and Quantified	F	Actual				10/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.21	Detected and Quantified	F	Actual				10/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	44.17828 µeq/L	Detected and Quantified	F	Actual				10/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	28.00345 µeq/L	Detected and Quantified	F	Actual				10/18/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/5/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	36.67645 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/25/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_Grab	56.83801 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	22.0555 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	44.84566 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	88.196 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	81.30732 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	18.58354 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/25/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	160.42212 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	127.93481 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.79749	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	144.10964 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.89832	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06100311200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	15.7 °C	Detected and Quantified	F	Actual				10/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 10/10/2006 1:25 PM
Visit Comment: SUSIE MABEN //
//Sunny, warm
Rain event, mild

Activity: 061010132501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	5.8074	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	5.9	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	19.42758 µeq/L	Detected and Quantified	F	Actual				10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	4.40213 µeq/L	Detected and Quantified	F	Actual				10/19/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/12/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	32.45458 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	49.88716 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	18.95633 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	39.39008 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	82.485 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	6.60113 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	83.46134 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	18.77766 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	140.69465 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	113.24226 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.80488	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	128.26771 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.91167	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06101013250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	13.8 °C	Detected and Quantified	F	Actual				10/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 10/17/2006 12:05 PM
Visit Comment: SUSIE MABEN //
//Rain, mild
Fair, frost

Activity: 061017120501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	5.7881	Detected and Quantified	F	Actual				10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	5.82	Detected and Quantified	F	Actual				10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	25.00061 µeq/L	Detected and Quantified	F	Actual				10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	11.90132 µeq/L	Detected and Quantified	F	Actual				10/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/20/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	30.60307 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	48.80033 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	19.63337 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	38.24632 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	81.938 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/31/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	82.99052 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	19.10437 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/31/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	137.28959 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	114.03671 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.83063	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	127.136 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.92604	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06101712050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11.5 °C	Detected and Quantified	F	Actual				10/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 10/24/2006 12:40 PM
Visit Comment: SUSIE MABEN //
//Cold, windy, partly sunny
Cool, mostly fair

Activity: 061024124001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	5.9882	Detected and Quantified	F	Actual				10/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

pH_Manual_Grab	6.07	Detected and Quantified	F	Actual			10/26/2006
Dilution: N	*Recovery:* N	*Correction:* N					
ANC_Metrohm_Grab	24.7602 µeq/L	Detected and Quantified	F	Actual			10/26/2006
Dilution: N	*Recovery:* N	*Correction:* N					
ANC_Manual_Grab	21.11149 µeq/L	Detected and Quantified	F	Actual			10/26/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	17 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	10/26/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	28.53398 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	46.10704 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	19.77733 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	37.07953 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	82.369 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	82.45825 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	18.91771 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	131.50438 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	122.52795 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.93174	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

SAA_MET_IC2_GRAB	126.17666 µeq/L	Detected and Quantified	F	Actual				4/23/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_MET_IC2_GRAB	0.95949	Detected and Quantified	F	Actual				4/23/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06102412400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10.3 °C	Detected and Quantified	F	Actual				10/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 10/30/2006 10:35 AM
Visit Comment: SUSIE MABEN //
//Mostly sunny, mild
Fair, some precip.

Activity: 061030103501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	5.9947	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.08	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	26.56482 µeq/L	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	20.37337 µeq/L	Detected and Quantified	F	Actual				11/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	16.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	28.3835 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_Grab	45.5145 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	19.72457 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	36.42713 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	87.598 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	0.21265 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	81.89597 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	19.41378 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	130.26235 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	121.72362 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.93445	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	127.91507 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.98198	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06103010350F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10.3 °C	Detected and Quantified	F	Actual				10/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 11/7/2006 11:45 AM
Visit Comment: FAD //
//drizzly, cold seasonal

Activity: 061107114501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	5.9647	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	24.94812 µeq/L	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	28.99416 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	46.3827 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	19.69772 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	36.03518 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	77.705 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	0.1672 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	81.45965 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Cl_Ions_Grab	18.9776 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/2/2007			
Dilution: N	*Recovery:* N	*Correction:* N									
SBC_IC2_GRAB	131.27696 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_MET_IC2_GRAB	125.42587 µeq/L	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_MET_IC2_GRAB	0.95543	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Activity: 06110711450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9 °C	Detected and Quantified	F	Actual				11/7/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 11/14/2006 11:40 AM
Visit Comment: FAD // //clear,
warm
rained several times

Activity: 061114114001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	5.4372	Detected and Quantified	F	Actual				11/21/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	19.07858 µeq/L	Detected and Quantified	F	Actual				11/21/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/21/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	28.69517 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_Grab	45.46588 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	19.06861 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	37.64817 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	81.805 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	81.87867 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	19.43825 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	130.88433 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	120.436 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.92017	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06111411400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11.5 °C	Detected and Quantified	F	Actual				11/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 11/21/2006 12:05 PM
Visit Comment: FAD // //clear,
cold
heavy rain end of last week

Activity: 061121120501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	5.4386	Detected and Quantified	F	Actual				11/29/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	18.43345 µeq/L	Detected and Quantified	F	Actual				11/29/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/29/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	30.22328 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	48.08206 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	18.527 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	36.8325 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	79.182 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	83.97368 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	18.75215 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/7/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	133.67134 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_MET_IC2_GRAB	121.19978 µeq/L	Detected and Quantified	F	Actual				4/23/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_MET_IC2_GRAB	0.9067	Detected and Quantified	F	Actual				4/23/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06112112050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9 °C	Detected and Quantified	F	Actual				11/21/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 11/28/2006 1:20 PM
Visit Comment: FAD //Clear,
mild
significant rain last week

Activity: 061128132001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.0969	Detected and Quantified	F	Actual				11/29/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	21.47202 µeq/L	Detected and Quantified	F	Actual				11/29/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/29/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	29.36441 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_Grab	46.86795 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	18.89668 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	37.24271 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	78.468 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	82.82682 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	19.01881 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	132.37825 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	123.35815 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.93186	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06112813200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10 °C	Detected and Quantified	F	Actual				11/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 12/5/2006 1:25 PM
Visit Comment: FAD //clear,
cold
light rain last Friday

Activity: 061205132501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.1218	Detected and Quantified	F	Actual				12/7/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	19.50988 µeq/L	Detected and Quantified	F	Actual				12/7/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		12/7/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	30.16661 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	48.48214 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	19.15986 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	35.80596 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	76.36 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	83.62575 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	18.74642 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	133.62107 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_MET_IC2_GRAB	121.92255 µeq/L	Detected and Quantified	F	Actual				4/23/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_MET_IC2_GRAB	0.91245	Detected and Quantified	F	Actual				4/23/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06120513250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	7.5 °C	Detected and Quantified	F	Actual				12/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 12/12/2006 12:05 PM
Visit Comment: FAD // //clear, mild dry

Activity: 061212120501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.113	Detected and Quantified	F	Actual				12/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	19.82004 µeq/L	Detected and Quantified	F	Actual				12/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		12/14/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	30.49708 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	50.20543 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Na_Ions_Grab	19.30016 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	34.75486 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	74.949 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	78.45603 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	18.52193 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	134.76403 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	116.8385 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.86699	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06121212050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6.5 °C	Detected and Quantified	F	Actual				12/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 12/19/2006 11:45 AM
Visit Comment: FAD // //Cloudy, Cool mild, no rain

Activity: 061219114501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	5.4336	Detected and Quantified	F	Actual				1/4/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	21.09855 µeq/L	Detected and Quantified	F	Actual				1/4/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/4/2007				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	31.21992 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	50.8446 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	19.7876 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	36.549 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	75.796 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	83.23323 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	18.83824 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	138.40762 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_MET_IC2_GRAB	123.21052 µeq/L	Detected and Quantified	F	Actual				4/23/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_MET_IC2_GRAB	0.8902	Detected and Quantified	F	Actual				4/23/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06121911450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8 °C	Detected and Quantified	F	Actual				12/19/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: SWAS **Station ID:** WOR1 **Visit Date:** 12/27/2006 11:55 AM
Visit Comment: FAD //slow rise over last 48+ hours.
//clear. cool
some rain

Activity: 061227115501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	5.4356	Detected and Quantified	F	Actual				1/4/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	18.84895 µeq/L	Detected and Quantified	F	Actual				1/4/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/4/2007				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	29.06205 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	47.5912 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Na_Ions_Grab	19.784 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	34.94955 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	78.551 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	78.6887 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	18.73591 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	131.3933 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	116.31406 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.88524	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06122711550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	7 °C	Detected and Quantified	F	Actual				12/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** M002 **Visit Date:** 4/28/2005 2:00 PM
Visit Comment: CRU // // Cloudy, windy Cloudy, wind, hail, cold front

Activity: 050428140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	4.88	Detected and Quantified	F	Actual				5/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-18.3 µeq/L	Detected and Quantified	F	Actual				5/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	14.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/5/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	16.317 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	16.625 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	8.265 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	4.864 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	43.857 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.048.												
SO4_IC_Grab	55.37 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	10.716 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_Grab	113.68 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		4/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

O_AL_TC_Grab	24.221 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l			5/23/2006			
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	46.071 µeq/L	Detected and Quantified	F	Actual					2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	47.8865 µeq/L	Detected and Quantified	F	Actual					2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	1.03941	Detected and Quantified	F	Actual					2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05042814000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9 °C	Detected and Quantified	F	Actual				4/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** M002 **Visit Date:** 7/27/2005 12:00 PM
Visit Comment: VDGIF // // Hot, sunny Hot

Activity: 050727120001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	4.75	Detected and Quantified	F	Actual				8/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-17.1 µeq/L	Detected and Quantified	F	Actual				8/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	16 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/4/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	24.052 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	16.625 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Na_AA_Grab	8.482 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	7.066 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	52.174 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	50.627 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	11.083 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	142.197 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	5/23/2006
Dilution: N	*Recovery:* N	*Correction:* N					
O_AL_TC_Grab	86.942 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	5/24/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	56.225 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	44.7105 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.79521	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05072712000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	17.5 °C	Detected and Quantified	F	Actual				7/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** M002 **Visit Date:** 10/24/2005 2:00 PM
Visit Comment: GEORGE PALMER // // Snowy, cloudy Fall, cool, nice

Activity: 051024140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	4.78	Detected and Quantified	F	Actual				10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-18.82793 µeq/L	Detected and Quantified	F	Actual				11/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	24.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	58.02331 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	41.29248 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	9.9478 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	17.27938 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	57.187 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	2.66444 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	123.42614 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	20.50914 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_Grab	90.637 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		6/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

O_AL_TC_Grab	32.978 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		7/18/2007			
Dilution: N	*Recovery:* N	*Correction:* N									
SBC_IC2_GRAB	126.54947 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_2PT_IC2_GRAB	127.77179 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_GRAB	1.00966	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Activity: 05102414000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	15 °C	Detected and Quantified	F	Actual				10/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** M002 **Visit Date:** 1/31/2006 12:30 PM
Visit Comment: GEORGE PALMER // // Snow. Rain, snow, clouds, sun.

Activity: 060131123001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No
Activity Comment: Not enough volume for organic monomeric aluminum analysis

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	4.77	Detected and Quantified	F	Actual				2/7/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-18.88387 µeq/L	Detected and Quantified	F	Actual				2/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	16 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/7/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	21.27771 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_Grab	18.05189 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	8.0843 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	4.96306 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	43.326 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	0.15827 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	62.68706 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	12.07275 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	114.551 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	52.53523 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	55.91644 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	1.06436	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06013112300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4 °C	Detected and Quantified	F	Actual				1/31/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** M002 **Visit Date:** 4/27/2006 1:30 PM
Visit Comment: GEORGE PALMER // // Rainy early, sun afternoon

Activity: 060427133001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	4.7	Detected and Quantified	F	Actual				5/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-22.12202 µeq/L	Detected and Quantified	F	Actual				5/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	16.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	18.33118 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	16.43554 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	8.11567 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	4.34766 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	42.529 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	0.12355 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	0.67379 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	58.29341 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	11.2502 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_Grab	127.178 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		6/21/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

O_AL_TC_Grab	38.185 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l			7/18/2007		
Dilution: N	*Recovery:* N	*Correction:* N									
SBC_IC2_GRAB	47.3536 µeq/L	Detected and Quantified	F	Actual					2/6/2008		
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_2PT_IC2_GRAB	48.09538 µeq/L	Detected and Quantified	F	Actual					2/18/2008		
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_GRAB	1.01566	Detected and Quantified	F	Actual					2/18/2008		
Dilution: N	*Recovery:* N	*Correction:* N									

Activity: 06042713300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12 °C	Detected and Quantified	F	Actual				4/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** M002 **Visit Date:** 7/27/2006 12:47 PM
Visit Comment: GEORGE PALMER // // Sunny, hot Sunny, hot

Activity: 060727124701 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.01	Detected and Quantified	F	Actual				8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-8.98206 µeq/L	Detected and Quantified	F	Actual				8/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	13.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	32.67037 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	16.39227 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Na_Ions_Grab	8.15272 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	5.7566 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	47.177 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	0.74093 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	53.78191 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	10.46865 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	113.749 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
O_AL_TC_Grab	77.853 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	62.97846 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	56.00943 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.88934	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06072712470F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	22 °C	Detected and Quantified	F	Actual				7/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** M002 **Visit Date:** 10/26/2006 11:30 AM
Visit Comment: VDGIF //
//Cloudy, drizzle
Cold, wet, windy

Activity: 061026113001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	4.7704	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	4.73	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	-8.42099 µeq/L	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-23.09486 µeq/L	Detected and Quantified	F	Actual				11/21/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	15.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	17.68348 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	16.40798 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	8.47815 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	5.09354 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	55.245 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	0.60042 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	60.07417 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	13.33267 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	134.378 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
O_AL_TC_Grab	31.788 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	47.66965 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	50.9124 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	1.06803	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	65.58627 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	1.37585	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06102611300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	7 °C	Detected and Quantified	F	Actual				10/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** M003 **Visit Date:** 4/26/2005 10:39 AM
Visit Comment: C. KIRK // // Cloudy, windy, 14 C Snow, rain, cold fronts

Activity: 050426103901 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.39	Detected and Quantified	F	Actual				5/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	30.3 µeq/L	Detected and Quantified	F	Actual				5/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	14.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/5/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	63.922 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	45.43 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	8.917 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	5.862 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	25.249 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.048.												
SO4_IC_Grab	63.086 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	10.096 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	124.131 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	103.5825 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.83446	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05042610390F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11 °C	Detected and Quantified	F	Actual				4/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** M003 **Visit Date:** 7/26/2005 12:30 PM
Visit Comment: VDGIF // // Hot, sunny Hot

Activity: 050726123001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.59	Detected and Quantified	F	Actual				8/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	50.3 µeq/L	Detected and Quantified	F	Actual				8/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	15.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/3/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	76.646 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	48.475 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	8.482 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	5.325 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	9.728 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	62.13 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	9.278 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	138.928 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	121.8085 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.87677	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05072612300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	25.5 °C	Detected and Quantified	F	Actual				7/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** M003 **Visit Date:** 10/24/2005 12:12 PM
Visit Comment: GEORGE PALMER // // Snowy, cold Warm, fall, nice

Activity: 051024121201 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.06	Detected and Quantified	F	Actual				10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	438.56702 µeq/L	Detected and Quantified	F	Actual				11/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	52.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	10/31/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	412.16032 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/14/2007
Dilution: Y	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	99.86226 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	9.26164 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	6.61615 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	23.788 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	0.80529 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	63.64794 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	9.96946 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	527.90687 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	512.98971 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.97174	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05102412120F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	16 °C	Detected and Quantified	F	Actual				10/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** M003 **Visit Date:** 1/31/2006 11:38 AM
Visit Comment: GEORGE PALMER // // Cloudy/snow/cold. Some wind, sun, clouds.

Activity: 060131113801 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7	Detected and Quantified	F	Actual				2/7/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	141.09798 µeq/L	Detected and Quantified	F	Actual				2/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	24.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/7/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	121.07855 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	108.1223 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	8.70249 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	5.75047 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	22.51 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	68.54275 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	10.43278 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	243.66031 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC2_GRAB	220.11401 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.90336	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06013111380F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4 °C	Detected and Quantified	F	Actual				1/31/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** M003 **Visit Date:** 4/27/2006 12:12 PM
Visit Comment: GEORGE PALMER // // Rainy Rainy

Activity: 060427121201 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.77	Detected and Quantified	F	Actual				5/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	213.59012 µeq/L	Detected and Quantified	F	Actual				5/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	31.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	211.13983 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	92.76472 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	9.04972 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_Grab	6.29659 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	25.68 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	0.11725 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	4.9211 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	63.49638 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	11.04232 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	319.36811 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	293.04992 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.91759	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06042712120F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	14 °C	Detected and Quantified	F	Actual				4/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** M003 **Visit Date:** 7/27/2006 11:57 AM
Visit Comment: GEORGE PALMER // // Sunny, hot Sunny, hot

Activity: 060727115701 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.62	Detected and Quantified	F	Actual				8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	253.53093 µeq/L	Detected and Quantified	F	Actual				8/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	32.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	169.00737 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	130.29086 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	9.9708 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	6.9247 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	27.954 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	33.25309 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	10.88324 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	316.20023 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	297.70776 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.94152	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06072711570F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	17 °C	Detected and Quantified	F	Actual				7/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** M003 **Visit Date:** 10/26/2006 10:00 AM
Visit Comment: VDGIF //
//Cloudy, drizzle
Cold, wet, windy

Activity: 061026100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.834	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.88	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	161.4846 µeq/L	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	146.15573 µeq/L	Detected and Quantified	F	Actual				11/21/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	25.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	133.90871 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_Grab	96.60291 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	9.07432 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	5.49986 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	24.037 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	0.53006 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	61.50265 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	11.31562 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	245.0923 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	219.50406 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.8956	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	234.83293 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.95814	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** M004 **Visit Date:** 7/26/2005 1:27 PM
Visit Comment: VDGIF // // Hot, sunny Hot

Activity: 050726132701 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.1	Detected and Quantified	F	Actual				8/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	69.3 µeq/L	Detected and Quantified	F	Actual				8/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	21.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/4/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	123.203 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	27.406 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	35.235 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	7.731 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	96.429 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.048.												
SO4_IC_Grab	80.517 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	13.592 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	193.575 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	163.5095 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.84468	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05072613270F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18 °C	Detected and Quantified	F	Actual				7/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** M004 **Visit Date:** 10/24/2005 2:30 PM
Visit Comment: GEORGE PALMER // // Cold, snowy, partly cloudy Fall like, some rain

Activity: 051024143001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.27	Detected and Quantified	F	Actual				10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	77.92965 µeq/L	Detected and Quantified	F	Actual				11/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	34.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	221.67388 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	49.49111 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	38.46553 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	13.10872 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	97.641 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	2.77991 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	151.39219 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	30.7869 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	325.51915 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	260.14924 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.79918	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05102414300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	14 °C	Detected and Quantified	F	Actual				10/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** M004 **Visit Date:** 7/27/2006 1:43 PM
Visit Comment: GEORGE PALMER // // Sunny, hot Sunny, hot

Activity: 060727134301 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.17	Detected and Quantified	F	Actual				8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	53.50875 µeq/L	Detected and Quantified	F	Actual			8/24/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	20 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	8/10/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	120.87319 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	25.09246 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	34.67802 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	6.58723 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	96.131 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	84.83782 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	13.6582 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	187.2374 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	152.04527 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.81205	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Activity: 06072713430F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18 °C	Detected and Quantified	F	Actual				7/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** M004 **Visit Date:** 10/26/2006 12:40 PM
Visit Comment: VDGIF //
//Cloudy, drizzle
Cold, wet, windy

Activity: 061026124001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	5.8615	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	5.95	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	27.22407 µeq/L	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	17.81508 µeq/L	Detected and Quantified	F	Actual				11/21/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	92.86189 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	23.52141 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	30.97248 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_Grab	6.43165 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	89.159 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	0.51774 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	93.45424 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	15.66464 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	96.396 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
O_AL_TC_Grab	107.149 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	153.79393 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	127.4517 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.82872	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	136.86069 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.8899	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

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Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** vt **Visit Date:** 1/25/2005 12:45 PM
Visit Comment: HOLDEN MASON // // Air temp. - 2 C, air clear, partly cloudy, snow 1-2" on ground Snow - 1 to 2" Wed & Sat/Sun, windy, air temp.: 0-35 F

Activity: 050125124501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.49	Detected and Quantified	F	Actual				1/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	1.9 µeq/L	Detected and Quantified	F	Actual				2/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/29/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	42.515 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	57.857 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	16.226 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	13.338 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	79.514 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	5.506 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	109.096 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	15.989 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_Grab	65.712 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		4/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
O_AL_TC_Grab	13.409 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		5/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_AA_GRAB	129.936 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	132.491 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	1.01966	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05012512450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	1.5 °C	Detected and Quantified	F	Actual				1/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** vt **Visit Date:** 4/29/2005 10:00 AM
Visit Comment: M. HARVEY // Popular hiking trail with some primitive camping sites. // Overcast, some light drizzle Cool

Activity: 050429100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.88	Detected and Quantified	F	Actual				5/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	5.3 µeq/L	Detected and Quantified	F	Actual				5/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/4/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	44.411 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	59.091 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	17.53 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_AA_Grab	14.976 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	82.485 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	0.741 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	105.56 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	15.961 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	30.559 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/25/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	136.008 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	127.562 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.9379	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05042910000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9 °C	Detected and Quantified	F	Actual				4/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

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Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** vt **Visit Date:** 7/28/2005 2:15 PM
Visit Comment: KENNY MAY // // Overcast, a few rain drops fell, temp. 70-72 Rain off & on, hot some days

Activity: 050728141501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.99	Detected and Quantified	F	Actual				8/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	10.3 µeq/L	Detected and Quantified	F	Actual				8/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	16.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/4/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	43.563 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	54.73 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	18.313 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	11.75 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	91.931 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	3.574 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	92.789 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	15.623 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_Grab	27.213 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		5/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	128.356 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	122.286 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.95271	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05072814150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	17 °C	Detected and Quantified	F	Actual				7/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** vt **Visit Date:** 10/28/2005 10:14 AM
Visit Comment: KENNY MAY // // Overcast, cool, nice day to work Rainy and a few nice days

Activity: 051028101401 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.36	Detected and Quantified	F	Actual				11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	23.66776 µeq/L	Detected and Quantified	F	Actual				12/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	46.3909 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	74.5273 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	21.97262 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	13.63812 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	90.487 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	10.31769 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	90.41288 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	18.2593 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	156.53544 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	142.65763 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.91134	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05102810140F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	7 °C	Detected and Quantified	F	Actual				10/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds

Project ID: VTSSS **Station ID:** vt **Visit Date:** 1/25/2006 8:30 AM

Visit Comment: US FOREST SERVICE // // Cloudy, windy & cooler; snow showers last night and this morning. Above normal temps; normal precip.

Activity: 060125083001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.33	Detected and Quantified	F	Actual				2/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	-1.38591 µeq/L	Detected and Quantified	F	Actual			2/14/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	20.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	2/3/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	47.74493 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	61.87934 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	16.22368 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	14.98098 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	76.045 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	0.18642 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	5.54691 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	120.84749 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	17.74236 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	93.854 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
O_AL_TC_Grab	22.537 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	141.01535 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	142.75085 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	1.01231	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06012508300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	5.6 °C	Detected and Quantified	F	Actual				1/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** vt **Visit Date:** 4/26/2006 2:30 PM
Visit Comment: US FOREST SERVICE // // Fair Seasonable, thundershowers over weekend

Activity: 060426143001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.75	Detected and Quantified	F	Actual				5/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	6.16952 µeq/L	Detected and Quantified	F	Actual				5/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	51.92663 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	65.28872 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	17.91851 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	17.34991 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	78.784 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	0.53905 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	4.71009 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	117.34014 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	18.37823 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	39.301 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/21/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	153.02282 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	146.59798 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.95801	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06042614300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11 °C	Detected and Quantified	F	Actual				4/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** vt **Visit Date:** 7/25/2006 12:30 PM
Visit Comment: T. HOLLAND // // Sunny & warm (23C) Sunny & hot w/thunderstorms

Activity: 060725123001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.28	Detected and Quantified	F	Actual				8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	16.16851 µeq/L	Detected and Quantified	F	Actual				8/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	16.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	8/10/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	43.03258 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	56.53836 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	19.9962 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	10.9842 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	96.512 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	4.36699 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	84.9854 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	15.46338 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	130.55784 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	120.98428 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.92667	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06072512300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18 °C	Detected and Quantified	F	Actual				7/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** vt **Visit Date:** 10/30/2006 10:20 AM
Visit Comment: US FOREST SERVICE
//
Cool, rain last Friday //Sunny & mild

Activity: 061030102001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	5.3651	Detected and Quantified	F	Actual				11/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	5.45	Detected and Quantified	F	Actual				11/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	6.47293 µeq/L	Detected and Quantified	F	Actual				11/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	0.31673 µeq/L	Detected and Quantified	F	Actual				12/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	21.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/17/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	52.6733 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/3/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	66.62595 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/3/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	16.57951 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/3/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	15.08834 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/3/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	80.128 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	0.17338 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		8/3/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	2.72579 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	8/3/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	124.68672 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/3/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	19.61883 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/3/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	91.293 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
O_AL_TC_Grab	31.704 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	151.14048 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	147.34807 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.97491	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	153.50427 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	1.01564	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06103010200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10 °C	Detected and Quantified	F	Actual				10/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT01 **Visit Date:** 1/25/2005 11:51 AM
Visit Comment: TOM BLEVINS // Creek nearly frozen over // 6 C, sunny Very cold, below zero, rain, sleet & snow Sat.-Sun

Activity: 050125115101 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.83	Detected and Quantified	F	Actual				1/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	74.3 µeq/L	Detected and Quantified	F	Actual				2/14/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/29/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	82.784 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	33.908 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	53.114 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	8.986 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	133.265 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		2/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	48.509 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	28.6 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	12.605 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	178.792 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	164.014 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

IONRATIO_2PT_IC1_AA_GRAB	0.91735	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05012511510F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	2 °C	Detected and Quantified	F	Actual				1/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT01 **Visit Date:** 4/26/2005 11:45 AM
Visit Comment: TOM BLEVINS // // Increasing clouds, overcast, cool Show showers 2 days previous, 4-6" accumulation

Activity: 050426114501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.84	Detected and Quantified	F	Actual				4/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	62.9 µeq/L	Detected and Quantified	F	Actual				5/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/28/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	80.988 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	33.661 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	49.198 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	9.395 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	118.574 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_IC_Grab	45.949 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	32.802 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	11.9 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	173.242 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	153.551 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.88634	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 050426114501 **Activity Type:** Quality Control Sample-Field Replicate **Activity Depth:** **Relative Depth:** **Replicate #:** 1

Custody ID: **Person(s):** **QC Sample?:** Yes

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.85	Detected and Quantified	F	Actual				4/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	63.7 µeq/L	Detected and Quantified	F	Actual				5/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/28/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	82.485 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	34.484 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	49.329 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	9.344 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	119.57 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_IC_Grab	39.751 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_IC_Grab	32.573 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_IC_Grab	11.844 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_AA_GRAB	175.642 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC1_GRAB	147.868 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC1_AA_GRAB	0.84187	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 05042611450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	7 °C	Detected and Quantified	F	Actual				4/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT01 **Visit Date:** 8/1/2005 11:43 AM
Visit Comment: TOM BLEVINS // // Clear, hot Hot, scattered isolated T-storms

Activity: 050801114301 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.68	Detected and Quantified	F	Actual				8/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	119.4 µeq/L	Detected and Quantified	F	Actual				8/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	21.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/4/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_AA_Grab	94.111 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	38.187 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	64.815 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	9.83 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	158.098 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	29.962 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	24.856 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	12.521 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	206.943 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	186.739 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.90237	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05080111430F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	15 °C	Detected and Quantified	F	Actual				8/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT01 **Visit Date:** 10/26/2005 12:40 PM
Visit Comment: BILL GOETZINGER // // Cloudy, 40's Rain, snow

Activity: 051026124001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.81	Detected and Quantified	F	Actual				11/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	126.09964 µeq/L	Detected and Quantified	F	Actual				11/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	21.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/2/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	96.69172 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	42.30549 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	63.84867 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	10.74728 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	159.227 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	2.38697 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	6.98383 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	26.37264 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	13.96701 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	215.98013 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	173.42312 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_GRAB	0.80296	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Activity: 051026124001 **Activity Type:** Quality Control Sample-Field Replicate **Activity Depth:** **Relative Depth:** **Replicate #:** 1

Custody ID: **Person(s):** **QC Sample?:** Yes

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.71	Detected and Quantified	F	Actual				10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	122.92433 µeq/L	Detected and Quantified	F	Actual				11/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	21.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	95.28257 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	42.73122 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	64.53919 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	10.48489 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	159.609 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	5.15236 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	25.11859 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	13.89399 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	213.04437 µeq/L	Detected and Quantified	F	Actual				3/19/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC2_GRAB	167.08927 µeq/L	Detected and Quantified	F	Actual				3/19/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.78429	Detected and Quantified	F	Actual				3/19/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05102612400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6 °C	Detected and Quantified	F	Actual				10/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT01 **Visit Date:** 1/30/2006 11:43 AM
Visit Comment: TOM BLEVINS // // Sunny, cool morning (30), high around 50. Warmer than usual; highs in the upper 50's; some spotty rain showers yesterday.

Activity: 060130114301 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.77	Detected and Quantified	F	Actual				2/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	58.6072 µeq/L	Detected and Quantified	F	Actual				2/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	85.67143 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	33.48046 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	52.98083 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_Grab	9.61587 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	127.903 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	0.76748 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	45.60852 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	33.8181 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	12.54554 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	182.51607 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	150.57936 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.82502	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06013011430F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	5.5 °C	Detected and Quantified	F	Actual				1/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

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Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT01 **Visit Date:** 5/1/2006 11:44 AM
Visit Comment: TOM BLEVINS // // Cloudy, cool. Heavy rains Tuesday night thru Thursday morning prevented collection last week. Temp. were cool. Below freezing 2 nights.

Activity: 060501114401 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.81	Detected and Quantified	F	Actual				5/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	62.81088 µeq/L	Detected and Quantified	F	Actual				5/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	84.70256 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	32.29769 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	50.30882 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	9.90088 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	119.337 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	4.96477 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	34.08167 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	22.85558 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	11.93855 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	182.17472 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	131.68668 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.72286	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06050111440F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8 °C	Detected and Quantified	F	Actual				5/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT01 **Visit Date:** 7/31/2006 12:05 PM
Visit Comment: BILL GOETZINGER // // Clear, hot Hot, dry, no rain

Activity: 060731120501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.6	Detected and Quantified	F	Actual				8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	116.10074 µeq/L	Detected and Quantified	F	Actual				8/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	21.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	96.24045 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	37.72876 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	61.10293 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	9.46226 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	156.422 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	1.5083 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	25.99016 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	26.17317 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	12.1898 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	206.0427 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	180.45387 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.87581	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06073112050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	15 °C	Detected and Quantified	F	Actual				7/31/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT01 **Visit Date:** 10/30/2006 11:00 AM
Visit Comment: GEORGE NORRIS
// //Warm/dry, 23C
Heavy rain on Friday, otherwise cool/dry

Activity: 061030110001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.6253	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.69	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	60.72227 µeq/L	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	56.10748 µeq/L	Detected and Quantified	F	Actual				11/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	21.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	86.03267 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	32.83565 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	52.50221 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	11.16303 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	122.508 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	54.17371 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	43.32647 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	12.57284 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	182.54006 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	166.1805 µeq/L	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.91038	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_MET_IC2_GRAB	170.79529 µeq/L	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_MET_IC2_GRAB	0.93566	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06103011000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9 °C	Detected and Quantified	F	Actual				10/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT02 **Visit Date:** 1/25/2005 1:26 PM
Visit Comment: TOM BLEVINS // Creek nearly frozen over // 6 C, sunny Very cold, below zero, rain, sleet & snow Sat.-Sun

Activity: 050125132601 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.38	Detected and Quantified	F	Actual				1/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	20.8 µeq/L	Detected and Quantified	F	Actual				2/14/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	15.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	1/29/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	48.054 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	23.867 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	43.152 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	10.829 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	117.196 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	2/23/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	40.508 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	47.715 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	12.352 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	125.902 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	121.375 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.96404	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05012513260F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	1.5 °C	Detected and Quantified	F	Actual				1/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT02 **Visit Date:** 4/26/2005 1:14 PM
Visit Comment: TOM BLEVINS // // Overcast, cool, windy Show showers 2 days previous, 3-5" accumulation

Activity: 050426131401 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.4	Detected and Quantified	F	Actual				4/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	19.5 µeq/L	Detected and Quantified	F	Actual				5/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	14.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/28/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	46.207 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	22.797 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	41.194 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	12.262 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	109.278 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	31.685 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	48.88 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	11.562 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	122.46 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	111.627 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

IONRATIO_2PT_IC1_AA_GRAB	0.91154	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05042613140F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	7 °C	Detected and Quantified	F	Actual				4/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT02 **Visit Date:** 8/1/2005 1:37 PM
Visit Comment: TOM BLEVINS // // Clear, hot Hot, scattered isolated T-storms

Activity: 050801133701 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.55	Detected and Quantified	F	Actual				8/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	43.7 µeq/L	Detected and Quantified	F	Actual				8/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	16.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/5/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	50.249 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	23.949 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	53.462 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	13.286 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	150.047 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_IC_Grab	19.964 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_IC_Grab	50.523 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_IC_Grab	11.844 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_AA_GRAB	140.946 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC1_GRAB	126.031 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC1_AA_GRAB	0.89418	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 050801133701 **Activity Type:** Quality Control Sample-Field Replicate **Activity Depth:** **Relative Depth:** **Replicate #:** 1

Custody ID: **Person(s):** **QC Sample?:** Yes

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.58	Detected and Quantified	F	Actual				8/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	45.3 µeq/L	Detected and Quantified	F	Actual				8/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	16.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/4/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	49.501 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	24.032 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	53.81 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	13.312 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	150.263 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_IC_Grab	21.622 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	50.794 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	11.9 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	140.655 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	129.616 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.92152	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05080113370F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	17 °C	Detected and Quantified	F	Actual				8/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds

Project ID: VTSSS **Station ID:** VT02 **Visit Date:** 10/26/2005 1:55 PM

Visit Comment: BILL GOETZINGER // // Cloudy, low 50's Rain, snow

Activity: 051026135501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.64	Detected and Quantified	F	Actual				11/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	46.16551 µeq/L	Detected and Quantified	F	Actual				11/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	16.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/2/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	49.3529 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	24.85839 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	54.60927 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	13.80731 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	138.992 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	56.61223 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	14.72459 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	142.63437 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	117.54283 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.82408	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05102613550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8 °C	Detected and Quantified	F	Actual				10/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds

Project ID: VTSSS **Station ID:** VT02 **Visit Date:** 1/30/2006 1:22 PM

Visit Comment: TOM BLEVINS // // Sunny, cool morning (30), high around 50. Warmer than usual; highs in the upper 50's; some spotty rain showers yesterday.

Activity: 060130132201 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.37	Detected and Quantified	F	Actual				2/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	18.66826 µeq/L	Detected and Quantified	F	Actual				2/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	15.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	50.80188 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	24.11918 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	44.05641 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	11.20281 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	116.366 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	31.22435 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	50.539 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	12.5485 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	130.18678 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	112.98011 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.86783	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06013013220F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	5 °C	Detected and Quantified	F	Actual				1/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT02 **Visit Date:** 5/1/2006 10:27 AM
Visit Comment: TOM BLEVINS // // Cloudy, cool. Heavy rains Tuesday night thru Thursday morning prevented collection last week. Temp. were cool. Below freezing 2 nights.

Activity: 060501102701 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.36	Detected and Quantified	F	Actual				5/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	21.16801 µeq/L	Detected and Quantified	F	Actual				5/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	15.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/4/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	50.72852 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	23.71028 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	43.49248 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	11.72008 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	113.561 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	13.9493 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	43.00464 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	11.89504 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	129.65786 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	90.01699 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.69427	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06050110270F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	7 °C	Detected and Quantified	F	Actual				5/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds

Project ID: VTSSS **Station ID:** VT02 **Visit Date:** 7/31/2006 1:30 PM

Visit Comment: BILL GOETZINGER // // Clear, hot Hot, dry

Activity: 060731133001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.57	Detected and Quantified	F	Actual				8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	43.60891 µeq/L	Detected and Quantified	F	Actual			8/25/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	15.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	8/10/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	50.68263 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	23.86398 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	50.93578 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	12.20917 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	145.366 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	44.24476 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	11.6051 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	137.69806 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	99.49927 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.72259	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06073113300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	14 °C	Detected and Quantified	F	Actual				7/31/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT02 **Visit Date:** 10/30/2006 2:00 PM
Visit Comment: GEORGE NORRIS
// //Warm/clear, 24C
Heavy rain on Friday, otherwise cool/dry

Activity: 061030140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.2659	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.35	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	24.745 µeq/L	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	21.90023 µeq/L	Detected and Quantified	F	Actual				11/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	15.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	48.04796 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	22.86498 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	45.00861 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_Grab	11.80009 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	120.25 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	30.80804 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	54.90576 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	12.54677 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	127.72814 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	120.1608 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.94075	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	123.00557 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.96303	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 061030140001 **Activity Type:** Quality Control Sample-Field Replicate **Activity Depth:** **Relative Depth:** **Replicate #:** 1

Custody ID: **Person(s):** **QC Sample?:** Yes

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.3148	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.37	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	24.89543 µeq/L	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	21.90023 µeq/L	Detected and Quantified	F	Actual			11/17/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	15.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	11/2/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	47.8957 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	22.69722 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	45.00891 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	11.75374 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	121.462 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	31.21321 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	55.16789 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	12.5293 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	127.36207 µeq/L	Detected and Quantified	F	Actual			3/19/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	120.81063 µeq/L	Detected and Quantified	F	Actual			3/19/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.94856	Detected and Quantified	F	Actual			3/19/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	123.80583 µeq/L	Detected and Quantified	F	Actual			5/13/2008
Dilution: N	*Recovery:* N	*Correction:* N					

IONRATIO_MET_IC2_GRAB	0.97208	Detected and Quantified	F	Actual				5/13/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06103014000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9 °C	Detected and Quantified	F	Actual				10/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT03 **Visit Date:** 1/25/2005 1:06 PM
Visit Comment: TOM BLEVINS // Creek nearly frozen over // 6 C, sunny Very cold, below zero, rain, sleet & snow Sat.-Sun

Activity: 050125130601 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.63	Detected and Quantified	F	Actual				1/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	44.4 µeq/L	Detected and Quantified	F	Actual				2/14/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	11.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/29/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	32.984 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	32.673 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	26.361 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	13.389 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	104.065 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		2/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N						
Result Comment: Reported value of 0.064.								
SO4_IC_Grab	31.949 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_IC_Grab	10.462 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_AA_GRAB	105.407 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC1_GRAB	86.9115 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC1_AA_GRAB	0.82453	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 05012513060F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	2 °C	Detected and Quantified	F	Actual				1/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT03 **Visit Date:** 4/26/2005 12:45 PM
Visit Comment: TOM BLEVINS // // Overcast, cool Show showers 2 days previous, 3-5" accumulation

Activity: 050426124501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.72	Detected and Quantified	F	Actual				4/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	47.8 µeq/L	Detected and Quantified	F	Actual				5/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	11.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	4/28/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	34.281 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	33.578 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	26.404 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	15.283 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	94.902 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.08.							
SO4_IC_Grab	33.966 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	9.785 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	109.546 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	91.6515 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.83665	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05042612450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	7 °C	Detected and Quantified	F	Actual				4/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT03 **Visit Date:** 8/1/2005 1:19 PM
Visit Comment: TOM BLEVINS // // Clear, hot Hot, scattered isolated T-storms

Activity: 050801131901 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.61	Detected and Quantified	F	Actual				8/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	83.6 µeq/L	Detected and Quantified	F	Actual				8/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	16.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/4/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	49.7 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	43.701 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	40.368 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	19.021 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	140.27 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.032.												
SO4_IC_Grab	26.811 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	10.208 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	152.79 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	120.7195 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.7901	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05080113190F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	17 °C	Detected and Quantified	F	Actual				8/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT03 **Visit Date:** 10/26/2005 1:40 PM
Visit Comment: BILL GOETZINGER // // Cloudy, low 50's Rain, snow

Activity: 051026134001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.8	Detected and Quantified	F	Actual				11/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	90.36594 µeq/L	Detected and Quantified	F	Actual				11/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	16.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/2/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	54.57431 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	47.18157 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	44.62359 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	19.99851 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	133.215 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	38.74317 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	12.54475 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	166.38448 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	141.69436 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.85161	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05102613400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9 °C	Detected and Quantified	F	Actual				10/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds

Project ID: VTSSS **Station ID:** VT03 **Visit Date:** 1/30/2006 1:01 PM

Visit Comment: TOM BLEVINS // // Sunny, cool morning (30), high around 50. Warmer than usual; highs in the upper 50's; some spotty rain showers yesterday.

Activity: 060130130101 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.66	Detected and Quantified	F	Actual				2/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	48.66526 µeq/L	Detected and Quantified	F	Actual			2/14/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	11.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	2/3/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	34.21282 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	33.08438 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	26.47618 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	14.0166 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	101.642 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	34.37165 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	10.35523 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	107.79648 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	93.43264 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.86675	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06013013010F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6 °C	Detected and Quantified	F	Actual				1/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT03 **Visit Date:** 5/1/2006 10:48 AM
Visit Comment: TOM BLEVINS // // Cloudy, cool. Heavy rains Tuesday night thru Thursday morning prevented collection last week. Temp. were cool. Below freezing 2 nights.

Activity: 060501104801 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.69	Detected and Quantified	F	Actual				5/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	46.16551 µeq/L	Detected and Quantified	F	Actual				5/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	11.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/4/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	32.80446 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	32.9466 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	22.91509 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	14.51432 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	91.383 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_Grab	31.34086 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	9.94113 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	103.18697 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	87.488 µeq/L	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.84786	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06050110480F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8 °C	Detected and Quantified	F	Actual				5/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds

Project ID: VTSSS **Station ID:** VT03 **Visit Date:** 7/31/2006 1:10 PM

Visit Comment: BILL GOETZINGER // // Clear, hot Dry, no rain

Activity: 060731131001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.3	Detected and Quantified	F	Actual				8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	111.1013 µeq/L	Detected and Quantified	F	Actual				8/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	37.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	57.59999 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	42.47619 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	229.05625 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/24/2007
Dilution: Y	*Recovery:* N	*Correction:* N					
K_Ions_Grab	19.11746 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	149.101 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	36.47359 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	180.78631 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/24/2007
Dilution: Y	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	348.25639 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	328.4017 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.94299	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 060731131001 **Activity Type:** Quality Control Sample-Field Replicate **Activity Depth:** **Relative Depth:** **Replicate #:** 1

Custody ID: **Person(s):** **QC Sample?:** Yes

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.39	Detected and Quantified	F	Actual				8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	111.00049 µeq/L	Detected and Quantified	F	Actual				8/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	37.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	8/10/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	57.45953 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	42.49211 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	224.55475 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/24/2007
Dilution: Y	*Recovery:* N	*Correction:* N					
K_Ions_Grab	19.01848 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	149.068 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	35.39989 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	176.86842 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/24/2007
Dilution: Y	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	343.53137 µeq/L	Detected and Quantified	F	Actual			3/19/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	323.3093 µeq/L	Detected and Quantified	F	Actual			3/19/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.94113	Detected and Quantified	F	Actual			3/19/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT03 **Visit Date:** 10/30/2006 12:45 PM
Visit Comment: GEORGE NORRIS
// //Warm/clear
Heavy rain on Friday, otherwise cool/dry

Activity: 061030124501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.5298	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.6	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	75.0877 µeq/L	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	66.71479 µeq/L	Detected and Quantified	F	Actual				11/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	32.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	42.21538 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	33.88232 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	189.34085 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/6/2007				
Dilution: Y	*Recovery:* N	*Correction:* N										
K_Ions_Grab	16.38273 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	120.217 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	15.11945 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	42.08395 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	135.232 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/6/2007
Dilution: Y	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	281.82778 µeq/L	Detected and Quantified	F	Actual				3/19/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	259.15019 µeq/L	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.91953	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_MET_IC2_GRAB	267.5231 µeq/L	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_MET_IC2_GRAB	0.94924	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06103012450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9 °C	Detected and Quantified	F	Actual				10/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT04 **Visit Date:** 1/25/2005 10:52 AM
Visit Comment: TOM BLEVINS // Creek nearly frozen solid // 5 C, sunny Very cold, below zero, rain, sleet & snow Sat.-Sun

Activity: 050125105201 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.37	Detected and Quantified	F	Actual				1/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	21.9 µeq/L	Detected and Quantified	F	Actual				2/14/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	12.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	1/29/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	23.453 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	16.213 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	53.027 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	8.986 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	131.273 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	9.386 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	48.693 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	11.844 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	101.679 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	91.823 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.90307	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05012510520F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	2 °C	Detected and Quantified	F	Actual				1/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT04 **Visit Date:** 4/26/2005 10:48 AM
Visit Comment: TOM BLEVINS // // Sunny, cool Show showers 2 days previous, 3-4" accumulation

Activity: 050426104801 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.48	Detected and Quantified	F	Actual				4/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	25.3 µeq/L	Detected and Quantified	F	Actual				5/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	11.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/28/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	23.902 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	16.46 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	50.416 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	10.726 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	120.748 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	3.51 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	47.486 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	9.898 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	101.504 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	86.194 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

IONRATIO_2PT_IC1_AA_GRAB	0.84917	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05042610480F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6 °C	Detected and Quantified	F	Actual				4/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT04 **Visit Date:** 8/1/2005 10:43 AM
Visit Comment: TOM BLEVINS // Strong smell of something dead in the area, but could not locate source. // Clear, hot Hot, scattered isolated T-storms

Activity: 050801104301 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.61	Detected and Quantified	F	Actual				8/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	37.9 µeq/L	Detected and Quantified	F	Actual				8/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	12.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/4/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	27.146 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	17.859 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	57.942 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	11.571 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	152.654 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N						
Result Comment: Reported value of 0.032.								
SO4_IC_Grab	41.85 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_IC_Grab	9.842 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_AA_GRAB	114.518 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC1_GRAB	89.6925 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC1_AA_GRAB	0.78322	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 05080110430F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	17 °C	Detected and Quantified	F	Actual				8/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT04 **Visit Date:** 10/26/2005 11:25 AM
Visit Comment: BILL GOETZINGER // // Cloudy, 40's Rain, snow

Activity: 051026112501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.61	Detected and Quantified	F	Actual				10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	47.49532 µeq/L	Detected and Quantified	F	Actual				11/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	14.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	10/31/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	26.25157 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	18.24612 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	68.83503 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	14.46453 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	164.124 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	48.31349 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	14.8674 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	127.80375 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	110.71671 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.8663	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05102611250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	7 °C	Detected and Quantified	F	Actual				10/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT04 **Visit Date:** 1/30/2006 10:39 AM
Visit Comment: TOM BLEVINS // // Sunny, cool morning (30), high around 50. Warmer than usual; highs in the upper 50's; some spotty rain showers yesterday.

Activity: 060130103901 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.41	Detected and Quantified	F	Actual				2/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	23.66776 µeq/L	Detected and Quantified	F	Actual				2/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	12.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	24.10192 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	16.47839 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	53.24984 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	9.47235 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	130.011 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L						
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L						
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	49.49983 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	11.43216 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	103.309 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_2PT_IC2_GRAB	84.64025 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_GRAB	0.81929	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Activity: 060130103901 **Activity Type:** Quality Control Sample-Field Replicate **Activity Depth:** **Relative Depth:** **Replicate #:** 1

Custody ID: **Person(s):** **QC Sample?:** Yes

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.38	Detected and Quantified	F	Actual				2/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	23.66776 µeq/L	Detected and Quantified	F	Actual				2/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	12.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	24.89185 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	16.99807 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	53.40786 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	9.62346 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	130.592 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	49.92257 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Cl_Ions_Grab	11.43512 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	104.92774 µeq/L	Detected and Quantified	F	Actual			3/19/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	85.06595 µeq/L	Detected and Quantified	F	Actual			3/19/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.81071	Detected and Quantified	F	Actual			3/19/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06013010390F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	5 °C	Detected and Quantified	F	Actual				1/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT04 **Visit Date:** 5/1/2006 1:16 PM
Visit Comment: TOM BLEVINS // // Cloudy, cool. Heavy rains Tuesday night thru Thursday morning prevented collection last week. Temp. were cool. Below freezing 2 nights.

Activity: 060501131601 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.56	Detected and Quantified	F	Actual				5/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	28.66726 µeq/L	Detected and Quantified	F	Actual				5/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	12.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/4/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	24.47121 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	16.27899 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Na_Ions_Grab	52.83294 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	10.88279 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	128.384 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	1/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	44.8419 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	10.37187 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	104.47243 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	83.92153 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.80329	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06050113160F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8 °C	Detected and Quantified	F	Actual				5/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT04 **Visit Date:** 7/31/2006 10:50 AM
Visit Comment: BILL GOETZINGER // // Clear, hot Hot, dry

Activity: 060731105001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.64	Detected and Quantified	F	Actual				8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	48.60834 µeq/L	Detected and Quantified	F	Actual				8/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	14.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	42.66145 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	20.59916 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	60.02863 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	12.54833 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	152.571 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		1/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	32.10703 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	15.0592 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	135.84407 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	95.81507 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.70533	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06073110500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	17 °C	Detected and Quantified	F	Actual				7/31/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT04 **Visit Date:** 10/30/2006 10:15 AM
Visit Comment: GEORGE NORRIS
// //Warm/dry, air temp. 24C
Heavy rain on Friday, otherwise cool/dry

Activity: 061030101501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.248	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.37	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	32.33896 µeq/L	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	26.71969 µeq/L	Detected and Quantified	F	Actual				11/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	12.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	23.40559 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_Grab	16.98561 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	54.51161 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	10.15761 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	134.443 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	1/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	2.17527 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	50.48411 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	12.62731 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	105.06692 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	92.00638 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.87569	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	97.62565 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.92918	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06103010150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9 °C	Detected and Quantified	F	Actual				10/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT05 **Visit Date:** 1/25/2005 1:59 PM
Visit Comment: TOM BLEVINS // Creek nearly frozen over // 3.5 C, sunny Very cold, below zero, rain, sleet & snow Sat.-Sun

Activity: 050125135901 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.56	Detected and Quantified	F	Actual				1/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	38.3 µeq/L	Detected and Quantified	F	Actual				2/14/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	12.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/29/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	22.754 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	35.224 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	28.014 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	16.947 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	100.629 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.064.												
SO4_IC_Grab	43.306 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	12.041 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	102.939 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	93.7475 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.91071	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05012513590F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	0.5 °C	Detected and Quantified	F	Actual				1/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT05 **Visit Date:** 4/26/2005 1:48 PM
Visit Comment: TOM BLEVINS // // Overcast, windy, cool Show showers 2 days previous, 1" accumulation

Activity: 050426134801 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.73	Detected and Quantified	F	Actual				4/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	42 µeq/L	Detected and Quantified	F	Actual				5/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	12.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/28/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	22.156 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	35.224 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	28.492 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	20.429 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	100.994 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.08.							
SO4_IC_Grab	42.557 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	12.154 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	106.301 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	96.8115 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.91073	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05042613480F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8 °C	Detected and Quantified	F	Actual				4/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT05 **Visit Date:** 8/1/2005 2:20 PM
Visit Comment: TOM BLEVINS // // Clear, hot Hot, scattered isolated T-storms

Activity: 050801142001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.92	Detected and Quantified	F	Actual				8/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	118.5 µeq/L	Detected and Quantified	F	Actual				8/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	22.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	8/4/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	60.678 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	80.819 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	39.976 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	28.8 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	130.526 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	1.755 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	39.603 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	12.098 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	210.273 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	171.956 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.81777	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05080114200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	19 °C	Detected and Quantified	F	Actual				8/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

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Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT05 **Visit Date:** 10/26/2005 10:45 AM
Visit Comment: BILL GOETZINGER // // Cloudy, 40's Light rain, snow

Activity: 051026104501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.99	Detected and Quantified	F	Actual				10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	161.09579 µeq/L	Detected and Quantified	F	Actual				11/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	28.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	82.9627 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	118.25239 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	48.83124 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	35.22257 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	124.616 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	76.82689 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	15.0974 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	285.2754 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	253.06058 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.88707	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05102610450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8 °C	Detected and Quantified	F	Actual				10/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT05 **Visit Date:** 1/30/2006 2:02 PM
Visit Comment: TOM BLEVINS // // Sunny, cool morning (30), high around 50. Warmer than usual; highs in the upper 50's; some spotty rain showers yesterday.

Activity: 060130140201 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.56	Detected and Quantified	F	Actual				2/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	37.81321 µeq/L	Detected and Quantified	F	Actual				2/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	11.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	22.80299 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	35.34144 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	28.34997 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	17.94208 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	100.297 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	46.72821 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	12.2148 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	104.44298 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	96.79672 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.92679	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06013014020F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6 °C	Detected and Quantified	F	Actual				1/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds

Project ID: VTSSS **Station ID:** VT05 **Visit Date:** 5/1/2006 2:11 PM

Visit Comment: TOM BLEVINS // // Cloudy, cool. Heavy rains Tuesday night thru Thursday morning prevented collection last week. Temp. were cool. Below freezing 2 nights.

Activity: 060501141101 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.67	Detected and Quantified	F	Actual				5/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	36.1665 µeq/L	Detected and Quantified	F	Actual			5/15/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	10.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	5/4/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	20.31761 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	32.78504 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	25.03687 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	18.79046 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	94.952 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	37.44904 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	11.64795 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	96.93648 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	85.30399 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.88	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

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Activity: 060501141101 **Activity Type:** Quality Control Sample-Field Replicate **Activity Depth:** **Relative Depth:** **Replicate #:** 1
Custody ID: **Person(s):** **QC Sample?:** Yes

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.64	Detected and Quantified	F	Actual				5/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	37.81321 µeq/L	Detected and Quantified	F	Actual				5/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	10.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/4/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	20.5947 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	32.9778 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	25.0936 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	18.85247 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	94.836 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	38.1347 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	11.74037 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	97.52507 µeq/L	Detected and Quantified	F	Actual				3/19/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC2_GRAB	87.72878 µeq/L	Detected and Quantified	F	Actual				3/19/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

IONRATIO_2PT_IC2_GRAB	0.89955	Detected and Quantified	F	Actual				3/19/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06050114110F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11 °C	Detected and Quantified	F	Actual				5/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT05 **Visit Date:** 7/31/2006 9:15 AM
Visit Comment: BILL GOETZINGER // // Clear, hot Hot, dry

Activity: 060731091501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.94	Detected and Quantified	F	Actual				8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	128.49802 µeq/L	Detected and Quantified	F	Actual				8/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	21.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	61.79801 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	83.35862 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	38.75689 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	27.22974 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	131.007 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	39.44193 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	12.34106 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	211.14976 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	180.32151 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.854	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06073109150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	17 °C	Detected and Quantified	F	Actual				7/31/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT05 **Visit Date:** 10/30/2006 9:15 AM
Visit Comment: GEORGE NORRIS
// //Warm/clear, air temp. 18C
Rain Friday, cool/dry Sat. Sun.

Activity: 061030091501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.4932	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

pH_Manual_Grab *Dilution:* N	6.63 *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			11/2/2006
ANC_Metrohm_Grab *Dilution:* N	56.28563 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			11/2/2006
ANC_Manual_Grab *Dilution:* N	51.10805 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			11/17/2006
Cond_VWR_Manual_Grab *Dilution:* N	13.6 µS/cm *Recovery:* N	Detected and Quantified *Correction:* Y	F	Actual	0.162 uS/cm	0.515 uS/cm	11/2/2006
Ca_Ions_Grab *Dilution:* N	26.24523 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.468 ueq/L	1.488 ueq/L	8/1/2007
Mg_Ions_Grab *Dilution:* N	40.98716 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.218 ueq/L	0.694 ueq/L	8/1/2007
Na_Ions_Grab *Dilution:* N	30.7207 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.029 ueq/L	0.091 ueq/L	8/1/2007
K_Ions_Grab *Dilution:* N	22.17959 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.029 ueq/L	0.092 ueq/L	8/1/2007
SiO2_TC_Grab *Dilution:* N	110.124 µmol/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	1.051 umol/L	3.342 umol/L	12/18/2007
NH4_Ions_Grab *Dilution:* N	*Non-detect *Recovery:* N	*Non-detect *Correction:* N	F	Actual	0.013 ueq/L	0.04 ueq/L	8/1/2007
NO3_Ions_Grab *Dilution:* N	*Non-detect *Recovery:* N	*Non-detect *Correction:* N	F	Actual	0.081 ueq/L	0.258 ueq/L	8/1/2007
SO4_Ions_Grab *Dilution:* N	45.59571 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.31 ueq/L	0.986 ueq/L	8/1/2007
Cl_Ions_Grab *Dilution:* N	12.73215 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.076 ueq/L	0.242 ueq/L	8/1/2007
SBC_IC2_GRAB *Dilution:* N	120.13918 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/6/2008
SAA_2PT_IC2_GRAB *Dilution:* N	109.47641 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			4/23/2008
IONRATIO_2PT_IC2_GRAB *Dilution:* N	0.91125 *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			4/23/2008

SAA_MET_IC2_GRAB	114.65399 µeq/L	Detected and Quantified	F	Actual				4/23/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_MET_IC2_GRAB	0.95434	Detected and Quantified	F	Actual				4/23/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06103009150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9 °C	Detected and Quantified	F	Actual				10/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT06 **Visit Date:** 1/25/2005 2:37 PM
Visit Comment: TOM BLEVINS // Creek nearly frozen over // 4 C, sunny Very cold, below zero, rain, sleet & snow Sat.-Sun

Activity: 050125143701 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.48	Detected and Quantified	F	Actual				1/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	35.8 µeq/L	Detected and Quantified	F	Actual				2/14/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	15 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/29/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	39.87 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	47.405 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	25.621 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	13.082 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	84.942 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	10.385 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	58.198 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	11.562 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	125.978 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	115.945 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.92036	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05012514370F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	1 °C	Detected and Quantified	F	Actual				1/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT06 **Visit Date:** 4/26/2005 9:34 AM
Visit Comment: TOM BLEVINS // // Sunny, cool Show showers 2 days previous, no accumulation

Activity: 050426093401 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.6	Detected and Quantified	F	Actual				4/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	40.3 µeq/L	Detected and Quantified	F	Actual				5/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	14.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	4/28/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	39.471 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	47.322 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	26.144 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	14.285 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	84.892 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	3.864 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	53.435 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	10.801 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	127.222 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	108.4 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.85205	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05042609340F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6 °C	Detected and Quantified	F	Actual				4/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT06 **Visit Date:** 8/1/2005 9:23 AM
Visit Comment: TOM BLEVINS // // Clear, hot Hot, scattered isolated T-storms

Activity: 050801092301 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.01	Detected and Quantified	F	Actual				8/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	72.9 µeq/L	Detected and Quantified	F	Actual				8/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/5/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	54.89 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	63.124 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	37.018 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	20.966 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	112.963 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	9.998 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	59.613 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	11.252 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	175.998 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	153.763 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

IONRATIO_2PT_IC1_AA_GRAB	0.87366	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05080109230F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18 °C	Detected and Quantified	F	Actual				8/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT06 **Visit Date:** 10/26/2005 10:20 AM
Visit Comment: BILL GOETZINGER // // Cloudy, 40's Light rain, snow

Activity: 051026102001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.63	Detected and Quantified	F	Actual				10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	76.10522 µeq/L	Detected and Quantified	F	Actual				11/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	55.34175 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	69.33505 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	42.05506 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	18.65489 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	102.273 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	74.1822 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	13.16842 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	185.39325 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	163.49634 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.88189	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05102610200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8 °C	Detected and Quantified	F	Actual				10/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT06 **Visit Date:** 1/30/2006 9:25 AM
Visit Comment: TOM BLEVINS // // Sunny, cool morning (30), high around 50. Warmer than usual; highs in the upper 50's; some spotty rain showers yesterday.

Activity: 060130092501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.43	Detected and Quantified	F	Actual				2/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	33.66675 µeq/L	Detected and Quantified	F	Actual				2/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	14.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	2/3/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	40.7573 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	48.16182 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	26.16459 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	13.56355 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	83.946 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	55.03863 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	11.65431 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	128.65376 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	100.40019 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.78039	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06013009250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6 °C	Detected and Quantified	F	Actual				1/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

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Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT06 **Visit Date:** 5/1/2006 9:27 AM
Visit Comment: TOM BLEVINS // // Cloudy, cool. Heavy rains Tuesday night thru Thursday morning prevented collection last week. Temp. were cool. Below freezing 2 nights.

Activity: 060501092701 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.52	Detected and Quantified	F	Actual				5/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	35.31344 µeq/L	Detected and Quantified	F	Actual				5/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	14.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/4/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	36.84495 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	45.99339 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	23.76932 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	13.99186 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	80.211 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	39.83038 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	11.43176 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	120.60602 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC2_GRAB	86.61608 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.71817	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06050109270F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8.5 °C	Detected and Quantified	F	Actual				5/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT06 **Visit Date:** 7/31/2006 8:30 AM
Visit Comment: BILL GOETZINGER // // Clear, dry Hot, dry

Activity: 060731083001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.35	Detected and Quantified	F	Actual				8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	65.43115 µeq/L	Detected and Quantified	F	Actual				8/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	48.66016 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	56.88892 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	30.53739 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_Grab	17.06644 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	101.409 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	30.72373 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	11.1087 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	153.15941 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	107.30408 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.7006	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06073108300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18 °C	Detected and Quantified	F	Actual				7/31/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

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Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT06 **Visit Date:** 10/30/2006 3:00 PM
Visit Comment: GEORGE NORRIS
// //Warm/clear, air temp. 24C
Heavy rain Friday; otherwise cool/dry

Activity: 061030150001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.4981	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.59	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	50.91521 µeq/L	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	46.10862 µeq/L	Detected and Quantified	F	Actual				11/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	15.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	40.63984 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	48.43781 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	26.8161 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	15.31876 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	87.681 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		12/18/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	7.57184 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	51.45381 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	11.75821 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	131.21901 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	116.89248 µeq/L	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.89082	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_MET_IC2_GRAB	121.69907 µeq/L	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_MET_IC2_GRAB	0.92745	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06103015000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10 °C	Detected and Quantified	F	Actual				10/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT07 **Visit Date:** 4/26/2005 11:05 AM
Visit Comment: HARRIS // // Overcast, about 55, breezy Cold, rainy, temp. in 40's at night, 50's in day

Activity: 05042611050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	7 °C	Detected and Quantified	F	Actual				4/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

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Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT07 **Visit Date:** 7/27/2005 10:30 AM
Visit Comment: HARRIS // // Hot, overcast Very hot & humid

Activity: 050727103001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.04	Detected and Quantified	F	Actual				8/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-3.3 µeq/L	Detected and Quantified	F	Actual				8/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	16.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/3/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	49.351 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	24.361 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	21.446 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	7.834 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	66.798 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.048.												
SO4_IC_Grab	71.885 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	14.72 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_Grab	103.265 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		5/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

O_AL_TC_Grab	82.319 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	5/24/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	102.992 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	83.4055 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.80983	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 050727103001 **Activity Type:** Quality Control Sample-Field Replicate **Activity Depth:** **Relative Depth:** **Replicate #:** 1

Custody ID: **Person(s):** **QC Sample?:** Yes

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.07	Detected and Quantified	F	Actual				8/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-0.8 µeq/L	Detected and Quantified	F	Actual				8/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	16.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/3/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	49.85 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	24.69 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	20.532 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	7.04 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	66.964 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.048.												

SO4_IC_Grab	72.966 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	13.818 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	104.026 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	5/23/2006
Dilution: N	*Recovery:* N	*Correction:* N					
O_AL_TC_Grab	79.417 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	5/24/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	102.112 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	86.0845 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.84304	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05072710300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18 °C	Detected and Quantified	F	Actual				7/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT07 **Visit Date:** 10/28/2005 1:30 PM
Visit Comment: E.A. LAMENT // // Sunny, 70 Sunny, highs 70's, lows 35's

Activity: 051028133001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.19	Detected and Quantified	F	Actual				11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-3.82946 µeq/L	Detected and Quantified	F	Actual				12/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	23 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	84.1862 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	41.07546 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	22.51348 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	14.0879 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	65.288 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	128.10267 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	20.84843 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	83.274 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
O_AL_TC_Grab	48.417 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	161.86954 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	145.16214 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.89678	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05102813300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6 °C	Detected and Quantified	F	Actual				10/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT07 **Visit Date:** 1/27/2006 2:05 PM
Visit Comment: E.A. LAMENT // // Sunny, 38 degrees. Sunny, some clouds, lows 20 degrees, highs 58 degrees.

Activity: 060127140501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	4.94	Detected and Quantified	F	Actual				2/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-11.3287 µeq/L	Detected and Quantified	F	Actual				2/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/6/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	61.7047 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	30.83784 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	16.64199 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	7.56716 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	56.722 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	8.98907 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	80.61176 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	13.36958 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	89.196 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
O_AL_TC_Grab	33.479 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	116.75819 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	91.64171 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.78488	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06012714050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	3 °C	Detected and Quantified	F	Actual				1/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds

Project ID: VTSSS **Station ID:** VT07 **Visit Date:** 4/26/2006 12:40 PM

Visit Comment: E.A. LAMENT // // Drizzly and cool, high 55 F Mostly warm and sunny, highs upper 70's, some T-storms, lows 50

Activity: 060426124001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	4.96	Detected and Quantified	F	Actual				5/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	-9.62339 µeq/L	Detected and Quantified	F	Actual			5/8/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	17.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	5/2/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	54.36585 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	26.01601 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	13.73875 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	7.39817 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	46.679 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	0.1242 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	69.57826 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	11.33022 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	138.039 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/21/2007
Dilution: N	*Recovery:* N	*Correction:* N					
O_AL_TC_Grab	103.703 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	101.64298 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	71.32559 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.70173	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06042612400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10 °C	Detected and Quantified	F	Actual				4/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT07 **Visit Date:** 7/25/2006 10:45 AM
Visit Comment: TERRY BUSSEY // // Part cloudy Light rain

Activity: 060725104501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.04	Detected and Quantified	F	Actual				8/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-6.32921 µeq/L	Detected and Quantified	F	Actual				8/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/8/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	55.20277 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	26.19835 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	17.18774 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	6.19131 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	62.001 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/19/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_Grab	75.98889 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/19/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	12.73453 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/19/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
T_AL_TC_Grab	101.408 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/21/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
O_AL_TC_Grab	82.973 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/18/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	104.78667 µeq/L	Detected and Quantified	F	Actual			2/6/2008	
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	82.43471 µeq/L	Detected and Quantified	F	Actual			2/18/2008	
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.78669	Detected and Quantified	F	Actual			2/18/2008	
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06072510450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	16 °C	Detected and Quantified	F	Actual				7/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT07 **Visit Date:** 10/26/2006 11:40 AM
Visit Comment: E.A. LAMENT //
//Partly to mostly cloudy, high upper 40's.
Highs low 30's to upper 40's; some rain, clouds, wind & sun

Activity: 061026114001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	5.2391	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	5.31	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	0.65702 µeq/L	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-1.32972 µeq/L	Detected and Quantified	F	Actual				11/16/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	16.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	54.79162 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	28.48919 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	18.16087 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	7.97523 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	63.628 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	0.13588 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	5.62285 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	77.68504 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	14.85347 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	79.516 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
O_AL_TC_Grab	51.542 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	109.55279 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	96.83164 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.88388	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	98.81838 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.90202	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06102611400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6 °C	Detected and Quantified	F	Actual				10/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT08 **Visit Date:** 4/26/2005 11:10 AM
Visit Comment: HARRIS // // Overcast, 55, breezy Cold, rainy, temp. in 40's at night, 50's in day

Activity: 05042611100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	7 °C	Detected and Quantified	F	Actual				4/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT08 **Visit Date:** 7/27/2005 10:35 AM
Visit Comment: HARRIS // // Hot, overcast Very hot & humid

Activity: 050727103501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.69	Detected and Quantified	F	Actual				8/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	14.4 µeq/L	Detected and Quantified	F	Actual				8/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	14.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/3/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	61.726 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	28.476 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	20.097 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	7.808 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	72.924 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_IC_Grab	2.109 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	69.514 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	14.692 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	51.3 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/26/2006
Dilution: N	*Recovery:* N	*Correction:* N					
O_AL_TC_Grab	44.224 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	5/24/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	118.107 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	100.715 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.85274	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05072710350F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18 °C	Detected and Quantified	F	Actual				7/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT08 **Visit Date:** 10/28/2005 1:45 PM
Visit Comment: E.A. LAMENT // // Sunny, 70 Sunny, highs 70's, lows 35's

Activity: 051028134501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.03	Detected and Quantified	F	Actual				11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	16.90077 µeq/L	Detected and Quantified	F	Actual			12/3/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	19.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	85.95342 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	50.01799 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	24.48967 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	15.76852 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	78.12 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	0.71032 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	105.85461 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	19.27798 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	176.2361 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	142.74368 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.80996	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05102813450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6 °C	Detected and Quantified	F	Actual				10/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT08 **Visit Date:** 1/27/2006 2:30 PM
Visit Comment: E.A. LAMENT // // Sunny, 38 degrees. Sunny, some clouds, lows 20 degrees, highs 58 degrees.

Activity: 060127143001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.59	Detected and Quantified	F	Actual				2/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	5.31626 µeq/L	Detected and Quantified	F	Actual				2/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	16.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/6/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	67.51374 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	30.83377 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	16.30603 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	7.722 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	58.083 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	74.41642 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	14.26677 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	47.436 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	122.38204 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	94.03995 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.76841	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06012714300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	3.5 °C	Detected and Quantified	F	Actual				1/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT08 **Visit Date:** 4/26/2006 12:30 PM
Visit Comment: E.A. LAMENT // // Drizzly and cool, high 55 F Mostly warm and sunny, highs upper 70's, some T-storms, lows 50

Activity: 060426123001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.51	Detected and Quantified	F	Actual				5/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	6.16952 µeq/L	Detected and Quantified	F	Actual				5/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	16.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	5/2/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	70.23864 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	29.88842 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	15.41741 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	7.81144 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	54.481 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	73.21802 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	13.58369 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	113.696 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/21/2007
Dilution: N	*Recovery:* N	*Correction:* N					
O_AL_TC_Grab	142.344 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	123.36241 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	93.01173 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.75397	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06042612300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10 °C	Detected and Quantified	F	Actual				4/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT08 **Visit Date:** 7/25/2006 11:00 AM
Visit Comment: TERRY BUSSEY // // Part cloudy Light rain

Activity: 060725110001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.39	Detected and Quantified	F	Actual				8/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	8.61293 µeq/L	Detected and Quantified	F	Actual				8/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	15.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/9/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	65.27984 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	27.50313 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	15.97852 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	5.61135 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	64.408 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	0.45871 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	77.14139 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	13.52057 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	94.252 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
O_AL_TC_Grab	81.555 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/23/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	114.37934 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	99.7336 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.87195	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06072511000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	16 °C	Detected and Quantified	F	Actual				7/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT08 **Visit Date:** 10/26/2006 12:05 PM
Visit Comment: E.A. LAMENT //
//Partly to mostly cloudy, high upper 40's.
Highs low 30's to upper 40's; some rain, clouds, wind & sun

Activity: 061026120501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.027	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.2	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	20.54085 µeq/L	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	16.16851 µeq/L	Detected and Quantified	F	Actual				11/16/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	15.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	67.41979 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	30.77912 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	17.40068 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	7.43114 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	64.607 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	0.13696 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	5.36767 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	73.43454 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	13.69707 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	123.16769 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	108.66779 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.88228	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	113.04013 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.91777	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06102612050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	7 °C	Detected and Quantified	F	Actual				10/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT09 **Visit Date:** 4/26/2005 12:45 PM
Visit Comment: HARRIS // // Overcast, breezy, temp. about 55 Cold, rainy, temps. in 40's at night, 50's in day

Activity: 050426124501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.83	Detected and Quantified	F	Actual				4/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	3.6 µeq/L	Detected and Quantified	F	Actual				5/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	13.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	4/28/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	46.307 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	30.204 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	13.876 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	8.474 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	55.959 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	6.279 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	64.688 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	11.816 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	31.375 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	98.861 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	86.383 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.87378	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05042612450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8 °C	Detected and Quantified	F	Actual				4/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT09 **Visit Date:** 7/27/2005 12:40 PM
Visit Comment: HARRIS // // Hot, overcast Very hot & humid

Activity: 050727124001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.01	Detected and Quantified	F	Actual				8/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	29.4 µeq/L	Detected and Quantified	F	Actual				8/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/3/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	63.922 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	46.499 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	21.184 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	14.771 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	105.443 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	2.737 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	91.021 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	13.79 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	146.376 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	136.948 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.93559	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05072712400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	20 °C	Detected and Quantified	F	Actual				7/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT09 **Visit Date:** 10/28/2005 2:40 PM
Visit Comment: E.A. LAMENT // // Sunny, 70 Sunny, highs 70's, lows 35's

Activity: 051028144001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.86	Detected and Quantified	F	Actual				11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	20.31484 µeq/L	Detected and Quantified	F	Actual				12/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	67.64331 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	48.64528 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	22.52168 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	18.16293 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	78.518 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	102.54218 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	17.672 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	15.952 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	156.9797 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	140.56952 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.89546	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05102814400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	7 °C	Detected and Quantified	F	Actual				10/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT09 **Visit Date:** 1/27/2006 3:30 PM
Visit Comment: E.A. LAMENT // // Sunny, 38 degrees. Sunny, some clouds, lows 20 degrees, highs 58 degrees.

Activity: 060127153001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.51	Detected and Quantified	F	Actual				2/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	1.85389 µeq/L	Detected and Quantified	F	Actual				2/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	15.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/6/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	53.51154 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	32.18285 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	14.54221 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	8.0935 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	59.079 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	72.92494 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	13.80184 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_Grab	32.339 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		6/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	108.3366 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC2_GRAB	88.62117 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.81802	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06012715300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	3.5 °C	Detected and Quantified	F	Actual				1/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT09 **Visit Date:** 4/26/2006 1:40 PM
Visit Comment: E.A. LAMENT // // Drizzly and cool, high 55 F Mostly warm and sunny, highs upper 70's, some T-storms, lows 50

Activity: 060426134001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.65	Detected and Quantified	F	Actual				5/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	3.66978 µeq/L	Detected and Quantified	F	Actual				5/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	13.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	46.00115 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	29.65412 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	13.29651 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_Grab	8.78493 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	61.719 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	0.12005 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	0.53492 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	65.4268 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	12.76888 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	45.363 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/21/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	97.85676 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	82.40038 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.84205	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06042613400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11 °C	Detected and Quantified	F	Actual				4/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT09 **Visit Date:** 7/25/2006 1:00 PM
Visit Comment: TERRY BUSSEY // // Part cloudy Light rain

Activity: 060725130001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.55	Detected and Quantified	F	Actual				8/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	6.85345 µeq/L	Detected and Quantified	F	Actual				8/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	14 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/8/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	49.57913 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	29.06404 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	14.66522 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	7.60576 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	71.729 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	68.35831 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	13.1656 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_Grab	41.29 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	100.92065 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC2_GRAB	88.41786 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.87611	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06072513000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	17 °C	Detected and Quantified	F	Actual				7/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT09 **Visit Date:** 10/26/2006 12:45 PM
Visit Comment: E.A. LAMENT //
//Partly to mostly cloudy, high upper 40's.
Highs low 30's to upper 40's; some rain, clouds, wind & sun

Activity: 061026124501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	5.8296	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	5.98	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	12.51559 µeq/L	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	10.31578 µeq/L	Detected and Quantified	F	Actual				11/16/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	13.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	50.53568 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	30.94223 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	15.6494 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	8.51606 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	67.379 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	0.14774 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	70.41622 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	13.71758 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	30.922 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	105.79111 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	94.49008 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.89318	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	96.68989 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.91397	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06102612450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	7 °C	Detected and Quantified	F	Actual				10/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT10 **Visit Date:** 1/25/2005 1:35 PM
Visit Comment: S. DAVIS // // 34 degrees, clear, sunny Cold - freezing rain and snow

Activity: 050125133501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.06	Detected and Quantified	F	Actual				1/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	15.3 µeq/L	Detected and Quantified	F	Actual				2/20/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	10.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/31/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	29.441 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	29.546 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	16.443 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	9.498 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	63.512 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.064.												

SO4_IC_Grab	47.861 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_IC_Grab	17.681 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_AA_GRAB	84.928 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC1_GRAB	80.9425 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC1_AA_GRAB	0.95307	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 05012513350F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	1 °C	Detected and Quantified	F	Actual				1/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT10 **Visit Date:** 4/25/2005 10:55 AM
Visit Comment: SARAH DAVIS // // Clear & windy, cold Rain/snow showers over weekend

Activity: 050425105501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.15	Detected and Quantified	F	Actual				4/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	9.4 µeq/L	Detected and Quantified	F	Actual				5/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	10.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/27/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	25.349 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_AA_Grab	27.324 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	17.618 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	11.93 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	60.839 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	50.149 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	15.566 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	82.221 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	75.2155 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.9148	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05042510550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	7 °C	Detected and Quantified	F	Actual				4/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds

Project ID: VTSSS **Station ID:** VT10 **Visit Date:** 7/26/2005 11:08 AM

Visit Comment: JENNY MCKEITHAN // Sediment on bottom, camping in area, road with dumpsters adjacent to site, lots of trash around site. // Hot, hazy, humid, ~90 F Hot, hazy, humid, ~80-90F, rain last night (July 25)

Activity: 050726110801 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.35	Detected and Quantified	F	Actual				7/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	32.8 µeq/L	Detected and Quantified	F	Actual				8/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	12.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/28/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	40.419 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	35.307 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	17.226 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	11.93 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	86.005 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	4.508 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	43.805 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	14.297 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	104.882 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	95.41 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.90969	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05072611080F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	19 °C	Detected and Quantified	F	Actual				7/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT10 **Visit Date:** 11/7/2005 11:26 AM
Visit Comment: TANGUAY // // Clear/warm Clear/warm

Activity: 051107112601 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.45	Detected and Quantified	F	Actual				11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	48.82484 µeq/L	Detected and Quantified	F	Actual				12/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	13.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	43.83373 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	49.84973 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	15.26631 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	18.28363 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	85.49 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	0.72167 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	51.38198 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	12.55866 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	127.95507 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	112.80598 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.88161	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05110711260F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	13 °C	Detected and Quantified	F	Actual				11/7/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds

Project ID: VTSSS **Station ID:** VT10 **Visit Date:** 1/26/2006 1:45 PM

Visit Comment: HEATHER LUCZAK & TERRY FLAHERTY // Dumpsters in area, tire on side of stream, hiking trail. // Clear, sunny, cold, 34 F. Cold & wet; rain/snow on Monday, highs in the low 30's; snow (1.5") on Wednesday, lows in the low 20's (high teens).

Activity: 060126134501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.08	Detected and Quantified	F	Actual				2/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	13.66876 µeq/L	Detected and Quantified	F	Actual			2/14/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	11.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	2/3/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	29.52001 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	30.28715 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	19.0604 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	9.88946 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	63.014 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	50.50904 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	19.3055 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	88.76352 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	83.5238 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.94097	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06012613450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	3 °C	Detected and Quantified	F	Actual				1/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT10 **Visit Date:** 5/1/2006 1:30 PM
Visit Comment: T. MOATS // Some garbage along dumpsters near road. // Sunny & clear day, a little cool, nice day. Sunny & some rain, rained on Tuesday night & Wed. morning, cooler weather Thursday to now.

Activity: 060501133001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.34	Detected and Quantified	F	Actual				5/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	21.16801 µeq/L	Detected and Quantified	F	Actual				5/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	11.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/4/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	32.5591 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	31.21317 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	22.32873 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	11.09635 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	64.69 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_Grab	47.10627 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	18.24953 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	97.20385 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	86.56431 µeq/L	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.89054	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06050113300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8.3 °C	Detected and Quantified	F	Actual				5/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds

Project ID: VTSSS **Station ID:** VT10 **Visit Date:** 7/26/2006 9:52 AM

Visit Comment: LEE KIRKPATRICK, STEVE T. // Garbage between dumpsters & near stream // Sunny, air temp. 75, humid 7/25/06-scattered showers, 80 during day, 60's at night

Activity: 060726095201 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.43	Detected and Quantified	F	Actual				8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	28.66726 µeq/L	Detected and Quantified	F	Actual				8/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	12 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	37.58623 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	33.98998 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	17.42924 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	11.53268 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	82.983 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	43.67707 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	15.0042 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	100.54463 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	87.38903 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.86916	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06072609520F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	17.2 °C	Detected and Quantified	F	Actual				7/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT10 **Visit Date:** 10/31/2006 12:47 PM
Visit Comment: LEE KIRKPATRICK //5 dumpsters close to stream, trash around stream. //Warm, sunny, temp. 64 F.
Cold w/one morning lows in 25 F; raining Thur.- Fri; ~1 to 1.5 in. precip.

Activity: 061031124701 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.0825	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.18	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	26.16429 µeq/L	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	14.51885 µeq/L	Detected and Quantified	F	Actual				12/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	11.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	30.73046 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	32.13571 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	14.27878 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	11.6808 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	69.305 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	51.9396 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	14.99965 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	88.83225 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	81.4986 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.91744	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	93.14404 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	1.04854	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06103112470F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9 °C	Detected and Quantified	F	Actual				10/31/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT11 **Visit Date:** 1/27/2005 1:42 PM
Visit Comment: SARAH DAVIS // // Cold, 30 degrees, sunny Freezing temps., snow

Activity: 050127134201 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.23	Detected and Quantified	F	Actual				2/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	17.8 µeq/L	Detected and Quantified	F	Actual				2/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	10.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	2/1/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	28.892 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	31.603 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	12.267 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	10.01 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	68.973 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	4.653 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	38.958 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	13.846 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	82.772 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	75.257 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.90921	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05012713420F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	2 °C	Detected and Quantified	F	Actual				1/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT11 **Visit Date:** 4/25/2005 1:54 PM
Visit Comment: SARAH DAVIS // // Upper 40's, partly cloudy, breezy Rain/snow showers over weekend

Activity: 050425135401 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.11	Detected and Quantified	F	Actual				4/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	9.4 µeq/L	Detected and Quantified	F	Actual				5/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	10.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/27/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	28.543 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	30.039 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	12.92 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	12.006 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	60.623 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.048.												
SO4_IC_Grab	42.349 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	13.705 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	83.508 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	65.5545 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC1_AA_GRAB	0.78501	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Activity: 050425135401 **Activity Type:** Quality Control Sample-Field Replicate **Activity Depth:** **Relative Depth:** **Replicate #:** 1

Custody ID: **Person(s):** **QC Sample?:** Yes

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.12	Detected and Quantified	F	Actual				4/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	9.4 µeq/L	Detected and Quantified	F	Actual				5/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	10.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/27/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	28.443 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	30.204 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	12.746 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	11.981 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	60.806 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.048.												
SO4_IC_Grab	42.266 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	13.677 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_AA_GRAB	83.374 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	65.4435 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.78494	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05042513540F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8 °C	Detected and Quantified	F	Actual				4/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT11 **Visit Date:** 7/25/2005 3:26 PM
Visit Comment: T. FLAHERTY // Camping in the area; sediment in pools. Strong urine smell from parking area to stream ford on Mare Run. I don't know if a bear was nearby or if it was the recent campers but, it was fairly strong. // Hazy skies, humid, ~90 F Hot, humid, last rainfall Wednesday, July 20

Activity: 050725152601 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.33	Detected and Quantified	F	Actual				7/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	26.2 µeq/L	Detected and Quantified	F	Actual				8/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	13.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/28/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	34.581 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	32.92 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Na_AA_Grab	12.746 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	11.264 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	84.494 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	35.318 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	12.803 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	91.511 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	74.4215 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.81325	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05072515260F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	19 °C	Detected and Quantified	F	Actual				7/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT11 **Visit Date:** 11/7/2005 10:16 AM
Visit Comment: TANGUAY // // Clear/warm Clear/warm

Activity: 051107101601 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.57	Detected and Quantified	F	Actual				11/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	39.35059 µeq/L	Detected and Quantified	F	Actual				12/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	10.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/11/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	31.83482 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	37.13141 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	12.16881 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	15.6859 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	87.283 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	0.39097 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	33.97428 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	13.72951 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	97.21191 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	87.09488 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.89593	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05110710160F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12 °C	Detected and Quantified	F	Actual				11/7/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT11 **Visit Date:** 1/26/2006 11:12 AM
Visit Comment: HEATHER LUCZAK & TERRY FLAHERTY // // Clear, sunny, 30 F. Rain/snow mix on Monday, 1.5" snow 1 day earlier still frozen on the ground.

Activity: 060126111201 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.08	Detected and Quantified	F	Actual				2/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	13.61235 µeq/L	Detected and Quantified	F	Actual				2/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	10.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	31.0835 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	32.52071 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	12.26826 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	10.51275 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	64.889 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	3.44999 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	40.16266 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	14.51629 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	86.39172 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	71.74129 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.83042	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06012611120F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	3 °C	Detected and Quantified	F	Actual				1/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds

Project ID: VTSSS **Station ID:** VT11 **Visit Date:** 5/1/2006 10:30 AM

Visit Comment: T. MOATS // No obvious signs of heavy rain. There is a trail. // Sunny, 55 degrees, no wind, a little cool. Sunny & some rain, rained the Wed. before, been a lot cooler the last four days.

Activity: 060501103001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.35	Detected and Quantified	F	Actual				5/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	10.37445 µeq/L	Detected and Quantified	F	Actual			5/15/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	10.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	5/4/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	33.19903 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	32.60972 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	12.59986 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	10.71881 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	55.544 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	0.96276 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	34.97125 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	13.66042 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	89.13392 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	59.96888 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.6728	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06050110300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8.9 °C	Detected and Quantified	F	Actual				5/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT11 **Visit Date:** 7/25/2006 2:15 PM
Visit Comment: LEE KIRKPATRICK, TERRY FLAHERTY // One vehicle in parking area. // Cloudy, humid, rain >/= 1/16", 22.7 C. Rain, thunderstorms

Activity: 060725141501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.96	Detected and Quantified	F	Actual				8/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	35.37176 µeq/L	Detected and Quantified	F	Actual				8/22/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	11.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/9/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	36.64481 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	34.67126 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	12.55702 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	11.61752 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	83.93 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	33.83 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	13.00244 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	7.889 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	95.49711 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	82.2447 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.86123	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06072514150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	17.5 °C	Detected and Quantified	F	Actual				7/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT11 **Visit Date:** 10/31/2006 9:40 AM
Visit Comment: LEE KIRKPATRICK //Signs of human use, hunting season in, (toilet paper)
//Cloudy, cool, temp. 53 F.
Cold; rain; temp. one morning was 25 F; ~1 to 1.5 in. of rain.

Activity: 061031094001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.2855	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

pH_Manual_Grab	6.27	Detected and Quantified	F	Actual			11/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
ANC_Metrohm_Grab	33.92661 µeq/L	Detected and Quantified	F	Actual			11/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
ANC_Manual_Grab	24.35191 µeq/L	Detected and Quantified	F	Actual			12/1/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	10.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	11/3/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	31.1259 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	32.8408 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	12.38034 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	12.12911 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	68.99 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	0.90259 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	40.83192 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	14.92574 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	88.48265 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	81.01216 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.91557	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

SAA_MET_IC2_GRAB	90.58686 µeq/L	Detected and Quantified	F	Actual				4/23/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_MET_IC2_GRAB	1.02378	Detected and Quantified	F	Actual				4/23/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06103109400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9 °C	Detected and Quantified	F	Actual				10/31/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT12 **Visit Date:** 1/27/2005 1:37 PM
Visit Comment: SARAH DAVIS // // Cold, 30 degrees, sunny Freezing temps., snow

Activity: 050127133701 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.8	Detected and Quantified	F	Actual				2/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	94.5 µeq/L	Detected and Quantified	F	Actual				2/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/1/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	79.441 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	67.651 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	12.963 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	11.52 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	63.03 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	9.547 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	40.477 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	15.256 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	171.575 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	159.78 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.93125	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: University of Virginia non-NPS watersheds

Project ID: VTSSS **Station ID:** VT12 **Visit Date:** 4/25/2005 1:46 PM

Visit Comment: SARAH DAVIS // // Upper 40's, partly cloudy, breezy Rain/snow showers over weekend

Activity: 050425134601 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.85	Detected and Quantified	F	Actual				4/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	61.1 µeq/L	Detected and Quantified	F	Actual				5/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	16 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/27/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	61.876 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	57.281 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Na_AA_Grab	13.528 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	14.336 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	64.79 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	6.231 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	42.307 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	15.284 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	147.021 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	124.922 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.84969	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05042513460F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9 °C	Detected and Quantified	F	Actual				4/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds

Project ID: VTSSS **Station ID:** VT12 **Visit Date:** 7/25/2005 3:42 PM

Visit Comment: T. FLAHERTY // Hiking trail along stream shows no new use. Evidence of recent camping - new 12-pack beer box in fire-ring near parking area. // Hot, humid, ~90 F. Hot, humid, 80's-90's, last rainfall Wednesday, July 20; before that day, daily afternoon storms ~ 5 days.

Activity: 050725154201 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.96	Detected and Quantified	F	Actual				7/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	151.7 µeq/L	Detected and Quantified	F	Actual				8/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	26.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/28/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	117.016 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	88.802 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	14.529 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	17.28 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	80.809 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	10.513 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	36.379 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	14.89 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	237.627 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	213.482 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.89839	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05072515420F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	21 °C	Detected and Quantified	F	Actual				7/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT12 **Visit Date:** 11/7/2005 10:24 AM
Visit Comment: TANGUAY // // Clear/warm Clear/warm

Activity: 051107102401 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.04	Detected and Quantified	F	Actual				11/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	211.09038 µeq/L	Detected and Quantified	F	Actual				12/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	27.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/11/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	138.76079 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	110.1396 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	12.38281 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	20.18521 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	72.11 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	0.69172 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	38.30559 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	16.30738 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	281.47491 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	266.39507 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.94643	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05110710240F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12 °C	Detected and Quantified	F	Actual				11/7/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds

Project ID: VTSSS **Station ID:** VT12 **Visit Date:** 1/26/2006 11:20 AM

Visit Comment: HEATHER LUCZAK & TERRY FLAHERTY // // Clear, sunny & cold, 30 F. Rain/snow mix on Monday, 1.5" snow 1 day earlier still frozen on the ground, highs in 30's, lows in 20's.

Activity: 060126112001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.83	Detected and Quantified	F	Actual				2/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	86.10409 µeq/L	Detected and Quantified	F	Actual			2/14/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	17.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	2/3/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	76.15079 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	66.13983 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	12.96146 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	12.28667 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	63.18 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	1.69474 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	42.81778 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	15.40663 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	167.54525 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	146.02324 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.87155	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06012611200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	3.3 °C	Detected and Quantified	F	Actual				1/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT12 **Visit Date:** 5/1/2006 10:45 AM
Visit Comment: T. MOATS // // Sunny, 55 degrees, no wind, a little cooler this morning. Sunny & some rain, thunderstorms last week, cooler the last four to five days.

Activity: 060501104501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.01	Detected and Quantified	F	Actual				5/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	112.17838 µeq/L	Detected and Quantified	F	Actual				5/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/4/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	87.99726 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	72.39304 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	13.61211 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	13.33313 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	66.483 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_Grab	31.4552 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	15.08674 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	187.34204 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	158.76082 µeq/L	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.84744	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06050110450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10 °C	Detected and Quantified	F	Actual				5/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds

Project ID: VTSSS **Station ID:** VT12 **Visit Date:** 7/25/2006 2:25 PM

Visit Comment: T. FLAHERTY // // Cloudy, humid, rain > 1/16" (early morning), 22.7 C. Heavy rain, thunderstorm

Activity: 060725142501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.55	Detected and Quantified	F	Actual				8/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	187.24683 µeq/L	Detected and Quantified	F	Actual				8/22/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	26.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/9/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	130.64772 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	101.31194 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	13.80038 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	17.67966 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	78.734 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	0.32385 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	32.67806 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	14.65957 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	263.76355 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	234.62496 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.88953	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06072514250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18.5 °C	Detected and Quantified	F	Actual				7/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT12 **Visit Date:** 10/31/2006 9:48 AM
Visit Comment: LEE KIRKPATRICK //Human signs-toilet paper indication of humans, hunting season is in. //Partly cloudy, cool, temp. 53 F.
Cold; temp. one morning was ~25F; rain last Thur., Fri; ~1 to 1.5 in. of rain.

Activity: 061031094801 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.7199	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.82	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	106.14374 µeq/L	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	91.16106 µeq/L	Detected and Quantified	F	Actual				12/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	73.83936 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	64.21543 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	13.31209 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	14.66687 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	71.148 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	0.92444 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	42.16108 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	16.22851 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	166.04025 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	150.47509 µeq/L	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.90626	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_MET_IC2_GRAB	165.45777 µeq/L	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_MET_IC2_GRAB	0.99649	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06103109480F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9 °C	Detected and Quantified	F	Actual				10/31/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT14 **Visit Date:** 1/27/2005 12:20 PM
Visit Comment: SARAH DAVIS // // Cold, 29 degrees, sunny Freezing temps., snow

Activity: 050127122001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.29	Detected and Quantified	F	Actual				2/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	15.3 µeq/L	Detected and Quantified	F	Actual				2/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	10 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	2/1/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	25.249 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	29.216 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	13.485 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	9.856 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	67.628 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	1.642 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	42.64 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	13.733 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	77.806 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	73.315 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.94228	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05012712200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	2 °C	Detected and Quantified	F	Actual				1/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT14 **Visit Date:** 4/25/2005 12:47 PM
Visit Comment: SARAH DAVIS // // Partly cloudy, breezy Rain/snow showers over weekend

Activity: 050425124701 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.21	Detected and Quantified	F	Actual				4/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	12 µeq/L	Detected and Quantified	F	Actual				5/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	10.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/27/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	24.152 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	29.216 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	13.79 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	12.083 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	65.968 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.048.												
SO4_IC_Grab	47.674 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	13.451 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	79.241 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	73.2255 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.92409	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05042512470F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9 °C	Detected and Quantified	F	Actual				4/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT14 **Visit Date:** 7/26/2005 9:37 AM
Visit Comment: JENNY MCKEITHAN // // Hot, humid, hazy, ~90 F. Hot, humid, hazy, 80-90 F, rain July 26 (yesterday)

Activity: 050726093701 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.29	Detected and Quantified	F	Actual				7/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	27.8 µeq/L	Detected and Quantified	F	Actual				8/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	12.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/28/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	36.826 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	36.047 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	14.312 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	12.314 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	90.453 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	5.49 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	38.126 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	14.551 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	99.499 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	85.967 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.864	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05072609370F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	20 °C	Detected and Quantified	F	Actual				7/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT14 **Visit Date:** 11/7/2005 9:33 AM
Visit Comment: TANGUAY // // Clear/warm Clear/warm

Activity: 051107093301 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.26	Detected and Quantified	F	Actual				11/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	32.0171 µeq/L	Detected and Quantified	F	Actual				12/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	10.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	11/11/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	30.658 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	30.74557 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	13.73469 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	14.03155 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	100.397 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	0.34419 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	33.76863 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	14.48626 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	89.514 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	80.31249 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.89721	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05110709330F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	13 °C	Detected and Quantified	F	Actual				11/7/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT14 **Visit Date:** 1/26/2006 12:30 PM
Visit Comment: HEATHER LUCZAK & TERRY FLAHERTY // // Clear, sunny & cold, 32 F. Snow on Monday & Wednesday (1.5"), highs in 30's, lows in 20's.

Activity: 060126123001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.18	Detected and Quantified	F	Actual				2/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	13.66876 µeq/L	Detected and Quantified	F	Actual				2/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	10.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	26.64985 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	30.17362 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	13.3803 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	10.41844 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	65.205 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	45.78307 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	13.77561 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	80.62871 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC2_GRAB	73.26794 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.90871	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06012612300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4 °C	Detected and Quantified	F	Actual				1/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT14 **Visit Date:** 5/1/2006 12:15 PM
Visit Comment: T. MOATS // // Clear, sunny day, no rain, a little cooler. Some clear and cloudy days last week, rain last Tuesday night and Wednesday morning.

Activity: 060501121501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.38	Detected and Quantified	F	Actual				5/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	20.31484 µeq/L	Detected and Quantified	F	Actual				5/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	10.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/4/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	30.127 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	32.29896 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	14.47084 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_Grab	11.51315 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	65.122 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	40.53491 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	13.63946 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	88.41645 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	74.52971 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.84294	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 060501121501 **Activity Type:** Quality Control Sample-Field Replicate **Activity Depth:** **Relative Depth:** **Replicate #:** 1

Custody ID: **Person(s):** **QC Sample?:** Yes

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.38	Detected and Quantified	F	Actual				5/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	20.31484 µeq/L	Detected and Quantified	F	Actual				5/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	10.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/4/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	29.96773 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	31.831 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Na_Ions_Grab	14.29737 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	11.35788 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	65.122 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	40.80591 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	13.70378 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	87.46048 µeq/L	Detected and Quantified	F	Actual			3/19/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	74.86503 µeq/L	Detected and Quantified	F	Actual			3/19/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.85599	Detected and Quantified	F	Actual			3/19/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06050112150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12.2 °C	Detected and Quantified	F	Actual				5/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT14 **Visit Date:** 7/25/2006 3:43 PM
Visit Comment: T. FLAHERTY // // Partly cloudy, humid, rain earlier morning >/= 1/16", air temp. 24C. Rain, thunderstorms most week.

Activity: 060725154301 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.11	Detected and Quantified	F	Actual				8/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	32.0171 µeq/L	Detected and Quantified	F	Actual				8/22/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	11.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/9/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	34.85663 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	33.70773 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	14.17719 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	12.38766 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	90.951 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	0.44723 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	34.6973 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	13.48727 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	95.13571 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	80.6489 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.84772	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06072515430F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	19 °C	Detected and Quantified	F	Actual				7/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT14 **Visit Date:** 10/31/2006 11:30 AM
Visit Comment: LEE KIRKPATRICK //40 yrd of road, hunting season has arrived, not much vehicle traffic observed. //Warm, sunny, temp. 62 F.
Cold last week; one morning low in 25 F; rain Thur., Fri; ~1 to 1.5 in. of rain.

Activity: 061031113001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.1316	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.23	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	30.50466 µeq/L	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	16.85256 µeq/L	Detected and Quantified	F	Actual				12/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	11.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	29.66784 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_Grab	32.38711 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	14.10843 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	12.78919 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	77.273 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	0.17785 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	48.36081 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	15.31501 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	89.13042 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	80.56888 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.90394	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	94.22098 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	1.05711	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06103111300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10 °C	Detected and Quantified	F	Actual				10/31/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT15 **Visit Date:** 1/27/2005 12:42 PM
Visit Comment: SARAH DAVIS // // Cold, 29 degrees, sunny Freezing temps., snow

Activity: 050127124201 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.13	Detected and Quantified	F	Actual				2/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	12.8 µeq/L	Detected and Quantified	F	Actual				2/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	7.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/1/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	20.16 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	16.625 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	13.702 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	7.808 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	84.56 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.064.												
SO4_IC_Grab	23.92 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	13.31 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	58.295 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	50.1305 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.85995	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05012712420F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	2 °C	Detected and Quantified	F	Actual				1/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT15 **Visit Date:** 4/25/2005 12:22 PM
Visit Comment: SARAH DAVIS // // Partly cloudy, windy Rain/snow showers over weekend

Activity: 050425122201 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.14	Detected and Quantified	F	Actual				4/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	13.6 µeq/L	Detected and Quantified	F	Actual				5/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	9.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/27/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	24.85 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	24.69 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	14.92 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	11.059 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	73.621 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	38.709 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	13.621 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	75.519 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	66.0305 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.87436	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05042512220F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9 °C	Detected and Quantified	F	Actual				4/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT15 **Visit Date:** 7/26/2005 9:20 AM
Visit Comment: JENNY MCKEITHAN // // Hot, humid, hazy, ~90 F. Hot, humid, hazy, 80-90 F, rain Monday, July 26 (yesterday)

Activity: 050726092001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.96	Detected and Quantified	F	Actual				7/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	26.9 µeq/L	Detected and Quantified	F	Actual				8/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	9.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	7/28/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	33.283 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	22.386 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	13.528 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	9.19 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	108.913 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	4.154 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	19.198 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	14.467 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	21.101 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/26/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	78.387 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	64.719 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.82563	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05072609200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	20 °C	Detected and Quantified	F	Actual				7/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT15 **Visit Date:** 11/7/2005 9:45 AM
Visit Comment: TANGUAY // // Clear/warm Clear/warm

Activity: 051107094501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.45	Detected and Quantified	F	Actual				11/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	33.61005 µeq/L	Detected and Quantified	F	Actual				12/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	11.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/11/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	34.52262 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	39.49403 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	13.68153 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	17.03868 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	86.901 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	0.35119 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	40.7186 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	15.57429 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	105.08805 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC2_GRAB	89.94344 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.85589	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05110709450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12 °C	Detected and Quantified	F	Actual				11/7/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT15 **Visit Date:** 1/26/2006 12:40 PM
Visit Comment: HEATHER LUCZAK & TERRY FLAHERTY // Hunter camps along access road. // Clear, sunny, cold, 33 F. Rain/snow mix on Monday, highs in the low 30's; snow (1.5") on Wednesday, lows in the low 20's (high teens).

Activity: 060126124001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.08	Detected and Quantified	F	Actual				2/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	14.40104 µeq/L	Detected and Quantified	F	Actual				2/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	8.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	23.65792 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	22.11155 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Na_Ions_Grab	14.14031 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	9.0867 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	77.804 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	33.20929 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	13.55931 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	69.00298 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	61.21014 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.88707	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06012612400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	3 °C	Detected and Quantified	F	Actual				1/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT15 **Visit Date:** 5/1/2006 11:55 AM
Visit Comment: T. MOATS // // Clear, sunny day, nice, a little cooler. Some sunny and cloudy days, thunderstorms and rain Tuesday night and Wednesday morning.

Activity: 060501115501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.18	Detected and Quantified	F	Actual				5/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	19.4005 µeq/L	Detected and Quantified	F	Actual				5/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	7.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/4/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	25.5173 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	15.72802 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	14.20679 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	8.10803 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	85.092 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	19.23987 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	13.33711 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	63.56664 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	52.01798 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.81832	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06050111550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11.7 °C	Detected and Quantified	F	Actual				5/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT15 **Visit Date:** 7/25/2006 1:55 PM
Visit Comment: T. FLAHERTY // Trail above where sample was taken, slope erosion on bank possibly caused by small mammals. // Partly cloudy, humid, light rain early morning, temp. 24 C. Rain, thunderstorms

Activity: 060725135501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.66	Detected and Quantified	F	Actual				8/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	26.05659 µeq/L	Detected and Quantified	F	Actual				8/22/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	8.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/9/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	29.85816 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	18.62987 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	13.02831 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_Grab	8.45627 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	103.152 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	18.03261 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	13.14414 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	21.277 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	69.97911 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	57.27384 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.81844	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06072513550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	19 °C	Detected and Quantified	F	Actual				7/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds

Project ID: VTSSS **Station ID:** VT15 **Visit Date:** 10/31/2006 10:48 AM

Visit Comment: LEE KIRKPATRICK //Culvert across road, vehicle use, hunting season has arrived. //Sunny, clear, temp. 59 F.
Cold temp.; one morning was 25 F; rain Thur., Fri; ~1 to 1.5 in. of rain.

Activity: 061031104801 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	5.9551	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	5.98	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	29.68663 µeq/L	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	12.81555 µeq/L	Detected and Quantified	F	Actual				12/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	10.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	27.04034 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	25.63744 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	15.08497 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	12.077 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	85.905 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L						
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	0.52302 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	41.79287 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	14.92404 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	17.916 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	79.84625 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	70.05548 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.87738	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	86.92656 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	1.08867	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 061031104801 **Activity Type:** Quality Control Sample-Field Replicate **Activity Depth:** **Relative Depth:** **Replicate #:** 1

Custody ID: **Person(s):** **QC Sample?:** Yes

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	5.932	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	5.98	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	28.00233 µeq/L	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	14.51885 µeq/L	Detected and Quantified	F	Actual				12/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	10.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	27.43428 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	25.12155 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	15.00759 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	12.00746 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	86.154 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	0.491 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	40.60042 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	14.99501 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	17.248 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	79.57738 µeq/L	Detected and Quantified	F	Actual			3/19/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	70.60528 µeq/L	Detected and Quantified	F	Actual			3/19/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.88725	Detected and Quantified	F	Actual			3/19/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	84.08876 µeq/L	Detected and Quantified	F	Actual			5/13/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	1.05669	Detected and Quantified	F	Actual			5/13/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06103110480F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11 °C	Detected and Quantified	F	Actual				10/31/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT16 **Visit Date:** 1/24/2005 11:30 AM
Visit Comment: BOYD ANDERSON // // Cold, air temp. 3 C Cold, windy & light snow

Activity: 050124113001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.18	Detected and Quantified	F	Actual				1/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	18.3 µeq/L	Detected and Quantified	F	Actual				2/14/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	15.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/29/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	58.233 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	36.377 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	13.92 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	11.213 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	68.641 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		2/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	2.399 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_IC_Grab	77.792 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_IC_Grab	17.653 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_AA_GRAB	119.743 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC1_GRAB	116.144 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC1_AA_GRAB	0.96994	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 05012411300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	0.5 °C	Detected and Quantified	F	Actual				1/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT16 **Visit Date:** 4/25/2005 9:30 AM
Visit Comment: BOYD ANDERSON // // Partly sunny, air temp. 6C Some rain & snow

Activity: 050425093001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.31	Detected and Quantified	F	Actual				4/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	17.9 µeq/L	Detected and Quantified	F	Actual				5/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	15.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/27/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	60.329 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_AA_Grab	35.965 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	14.703 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	12.851 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	65.205 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	79.061 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	17.512 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	123.848 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	114.5735 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.92511	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05042509300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8 °C	Detected and Quantified	F	Actual				4/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT16 **Visit Date:** 7/26/2005 3:10 PM
Visit Comment: B. ANDERSON // // Hot, 86 degrees, sunny

Activity: 050726151001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.28	Detected and Quantified	F	Actual				7/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	30.3 µeq/L	Detected and Quantified	F	Actual				8/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	15.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/29/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	66.417 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	35.06 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	13.659 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	13.107 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	89.64 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	3.14 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	63.003 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	17.174 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	128.243 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	113.617 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

IONRATIO_2PT_IC1_AA_GRAB	0.88595	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05072615100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	22 °C	Detected and Quantified	F	Actual				7/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT16 **Visit Date:** 10/24/2005 10:12 AM
Visit Comment: BOYD ANDERSON // // Light rain, cool Sunny

Activity: 051024101201 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.32	Detected and Quantified	F	Actual				10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	29.35147 µeq/L	Detected and Quantified	F	Actual				11/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	14.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	61.1386 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	33.23741 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	12.92493 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	11.98584 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	82.27 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	68.42273 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	17.13929 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	119.29328 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	114.95399 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.96363	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05102410120F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	13 °C	Detected and Quantified	F	Actual				10/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT16 **Visit Date:** 1/25/2006 1:40 PM
Visit Comment: BOYD ANDERSON // // 30 F, very windy & blowing snow. Above normal temps., not much rain.

Activity: 060125134001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.17	Detected and Quantified	F	Actual				2/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	15.31531 µeq/L	Detected and Quantified	F	Actual				2/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	15.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	2/3/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	60.19693 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	37.49503 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	13.8997 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	11.63713 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	66.566 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	81.06138 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	18.95348 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	123.23529 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	115.37067 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.93618	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06012513400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6 °C	Detected and Quantified	F	Actual				1/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT16 **Visit Date:** 4/25/2006 12:35 PM
Visit Comment: BOYD M. ANDERSON // // 26 C, clear & sunny 1/2" rain on the 22nd; warmer than normal temps.

Activity: 060425123501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.49	Detected and Quantified	F	Actual				5/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	23.66776 µeq/L	Detected and Quantified	F	Actual				5/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	15.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	65.03223 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	36.42165 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	14.79419 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	12.6447 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	67.462 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	77.19206 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	18.66696 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	128.89927 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC2_GRAB	119.56728 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.9276	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06042512350F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	14 °C	Detected and Quantified	F	Actual				4/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT16 **Visit Date:** 7/25/2006 1:30 PM
Visit Comment: BOYD ANDERSON // // 0.55" of rain in AM, air temp. 79F Hot & dry

Activity: 060725133001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.98	Detected and Quantified	F	Actual				8/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	30.3723 µeq/L	Detected and Quantified	F	Actual				8/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	14.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/9/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	60.38144 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	32.9791 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	13.10884 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_Grab	12.8379 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	81.888 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	62.36834 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	16.39622 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	5.104 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	119.31378 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	109.17736 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.91504	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06072513300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11 °C	Detected and Quantified	F	Actual				7/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT16 **Visit Date:** 10/25/2006 1:38 PM
Visit Comment: ED HAVERLACK
// //Sunny, clear in 40-50
Cold in 30's at night, 50's in day

Activity: 061025133801 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.0301	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.16	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	19.40494 µeq/L	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	13.56097 µeq/L	Detected and Quantified	F	Actual				11/16/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	15 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	56.57338 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	33.65129 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	14.25536 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	12.3681 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	74.534 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	76.80041 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	17.91811 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	116.85463 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	108.31999 µeq/L	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.92696	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_MET_IC2_GRAB	114.16396 µeq/L	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_MET_IC2_GRAB	0.97697	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06102513380F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10 °C	Detected and Quantified	F	Actual				10/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT18 **Visit Date:** 4/27/2005 7:00 PM
Visit Comment: C. REXRODE // // 5 C, overcast Rain & snow (Sunday)

Activity: 050427190001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.6	Detected and Quantified	F	Actual				5/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	44.4 µeq/L	Detected and Quantified	F	Actual				5/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	19.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	5/2/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	69.511 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	57.116 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	26.84 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	16.794 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	84.677 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	68.931 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	11.872 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	170.261 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	125.3035 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.73595	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05042719000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8 °C	Detected and Quantified	F	Actual				4/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT18 **Visit Date:** 7/25/2005 10:05 AM
Visit Comment: C. REXRODE // // Hot, humid Hot, humid, thunderstorms

Activity: 050725100501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.75	Detected and Quantified	F	Actual				7/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	86.1 µeq/L	Detected and Quantified	F	Actual				8/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	23.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/28/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	85.03 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	67.651 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	31.581 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	19.763 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	92.296 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	11.093 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	72.925 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	10.434 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	204.025 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	180.552 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

IONRATIO_2PT_IC1_AA_GRAB	0.88495	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05072510050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	15 °C	Detected and Quantified	F	Actual				7/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT18 **Visit Date:** 10/26/2005 2:45 PM
Visit Comment: CLIFF REXRODE // // 4C, showers 6" snow Monday and Tuesday

Activity: 051026144501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.91	Detected and Quantified	F	Actual				11/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	132.92316 µeq/L	Detected and Quantified	F	Actual				12/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	25.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/2/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	92.86377 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	80.85185 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	47.72476 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	25.32807 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	82.867 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	69.82748 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	17.48691 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	246.77495 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	220.27805 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.89263	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05102614450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6 °C	Detected and Quantified	F	Actual				10/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT18 **Visit Date:** 1/30/2006 11:00 AM
Visit Comment: CLIFF REXRODE // // Sunny, 6 C. 6" snow 1/25, rain 1/29.

Activity: 060130110001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.51	Detected and Quantified	F	Actual				2/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	37.81321 µeq/L	Detected and Quantified	F	Actual				2/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	18.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	2/6/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	65.49089 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	54.15003 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	24.97444 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	15.11777 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	80.925 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	0.16606 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	3.35605 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	79.09581 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	11.70063 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	159.89919 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	131.9657 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.82531	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 060130110001 **Activity Type:** Quality Control Sample-Field Replicate **Activity Depth:** **Relative Depth:** **Replicate #:** 1

Custody ID: **Person(s):** **QC Sample?:** Yes

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.53	Detected and Quantified	F	Actual				2/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	37.81321 µeq/L	Detected and Quantified	F	Actual			2/17/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	19 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	2/6/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	66.82226 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	55.22164 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	25.39455 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	15.45842 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	80.776 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	79.35841 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	11.75653 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	162.90337 µeq/L	Detected and Quantified	F	Actual			3/19/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	128.96865 µeq/L	Detected and Quantified	F	Actual			3/19/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.79169	Detected and Quantified	F	Actual			3/19/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06013011000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4 °C	Detected and Quantified	F	Actual				1/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT18 **Visit Date:** 4/26/2006 10:15 AM
Visit Comment: C. REXRODE // // Overcast, 10C Rain previous day

Activity: 060426101501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.63	Detected and Quantified	F	Actual				5/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	47.81227 µeq/L	Detected and Quantified	F	Actual				5/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	70.85499 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	58.58442 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	26.71443 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	16.49464 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	84.245 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/12/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_Grab	60.1152 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/12/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	11.94204 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/12/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	172.65498 µeq/L	Detected and Quantified	F	Actual			2/6/2008	
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	119.91001 µeq/L	Detected and Quantified	F	Actual			2/18/2008	
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.69451	Detected and Quantified	F	Actual			2/18/2008	
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06042610150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10 °C	Detected and Quantified	F	Actual				4/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds

Project ID: VTSSS **Station ID:** VT18 **Visit Date:** 10/29/2006 10:40 AM

Visit Comment: C. REXRODE //
//Sunny, 9 C
Rain several days

Activity: 061029104001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.567	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.69	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Metrohm_Grab	66.52503 µeq/L	Detected and Quantified	F	Actual			11/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
ANC_Manual_Grab	55.31158 µeq/L	Detected and Quantified	F	Actual			12/1/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	20.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	11/3/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	68.89875 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	58.61079 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	28.28809 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	19.65141 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	89.325 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	67.45111 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	14.00421 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	175.45554 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	136.8074 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.77973	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	148.02085 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

IONRATIO_MET_IC2_GRAB	0.84364	Detected and Quantified	F	Actual				4/23/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06102910400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6.5 °C	Detected and Quantified	F	Actual				10/29/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT19 **Visit Date:** 4/27/2005 7:15 PM
Visit Comment: C. REXRODE // // 5 C, cloudy Rain & snow (Sunday)

Activity: 050427191501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.57	Detected and Quantified	F	Actual				5/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	39.4 µeq/L	Detected and Quantified	F	Actual				5/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/2/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	72.355 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	58.844 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	24.447 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	18.125 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	83.498 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_IC_Grab	16.583 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_IC_Grab	59.446 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_IC_Grab	13.057 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_AA_GRAB	173.771 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC1_GRAB	128.486 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC1_AA_GRAB	0.7394	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 05042719150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8 °C	Detected and Quantified	F	Actual				4/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds

Project ID: VTSSS **Station ID:** VT19 **Visit Date:** 7/25/2005 10:15 AM

Visit Comment: C. REXRODE // // 23 C, humid Hot, humid, thunderstorms

Activity: 050725101501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.51	Detected and Quantified	F	Actual				7/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	43.9 µeq/L	Detected and Quantified	F	Actual				8/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	23.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/28/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_AA_Grab	80.588 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	63.947 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	26.665 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	20.608 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	94.819 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	29.511 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	69.264 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	11.647 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	191.808 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	154.322 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.80456	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05072510150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	15 °C	Detected and Quantified	F	Actual				7/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

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Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT19 **Visit Date:** 10/26/2005 3:00 PM
Visit Comment: CLIFF REXRODE // // 4C, showers 6" snow Monday and Tuesday

Activity: 051026150001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.75	Detected and Quantified	F	Actual				11/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	98.60269 µeq/L	Detected and Quantified	F	Actual				12/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	23.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/2/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	88.5033 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	72.23136 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	30.33933 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	25.36331 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	85.042 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	71.1108 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	16.38087 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	216.4438 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	186.13486 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.85997	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05102615000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	7 °C	Detected and Quantified	F	Actual				10/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT19 **Visit Date:** 1/30/2006 11:15 AM
Visit Comment: CLIFF REXRODE // // Sunny, 6 C. 6" snow 1/25, rain 1/29.

Activity: 060130111501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.49	Detected and Quantified	F	Actual				2/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	35.31344 µeq/L	Detected and Quantified	F	Actual				2/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/6/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	70.28367 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	57.41861 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	23.67982 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	17.05981 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	80.095 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	0.1795 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	20.62374 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	74.32319 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	12.10401 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	168.62141 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	142.36438 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.84428	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06013011150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6 °C	Detected and Quantified	F	Actual				1/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds

Project ID: VTSSS **Station ID:** VT19 **Visit Date:** 4/26/2006 10:30 AM

Visit Comment: C. REXRODE // // Overcast, 10C Rain previous day

Activity: 060426103001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.65	Detected and Quantified	F	Actual				5/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	42.81274 µeq/L	Detected and Quantified	F	Actual			5/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	20.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	5/3/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	74.45366 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	60.42449 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	24.32065 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	17.60047 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	83.481 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	1.14778 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	61.46047 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	13.67037 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	176.80577 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	119.09136 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.67357	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

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Activity: 06042610300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10 °C	Detected and Quantified	F	Actual				4/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT19 **Visit Date:** 10/29/2006 10:55 AM
Visit Comment: C. REXRODE //
//Sunny, 9 C
Rain several days

Activity: 061029105501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.6104	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.69	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	67.84152 µeq/L	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	54.39674 µeq/L	Detected and Quantified	F	Actual				12/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	21.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	73.48188 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	61.9539 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	25.12869 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_Grab	21.68651 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	87.532 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	10.63082 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	70.54179 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	13.0649 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	182.25748 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	148.63425 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.81552	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	162.07903 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.88929	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06102910550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	7 °C	Detected and Quantified	F	Actual				10/29/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT22 **Visit Date:** 1/26/2005 10:05 AM
Visit Comment: K. HICKMAN // // Slight rain Snow

Activity: 050126100501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.8	Detected and Quantified	F	Actual				1/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	73.7 µeq/L	Detected and Quantified	F	Actual				2/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/31/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	53.842 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	41.726 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	64.293 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	9.549 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	181.089 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.048.												
SO4_IC_Grab	50.336 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	24.055 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	169.41 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	148.1915 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.87475	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05012610050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	3 °C	Detected and Quantified	F	Actual				1/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT22 **Visit Date:** 4/26/2005 3:00 PM
Visit Comment: K. HICKMAN // // Partly cloudy, high low 60's Warm, low 80's until weekend cold rainy, snow flurries

Activity: 050426150001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.65	Detected and Quantified	F	Actual				5/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	94.4 µeq/L	Detected and Quantified	F	Actual				5/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/2/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	61.626 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	45.018 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	72.471 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	11.75 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	187.464 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.064.							
SO4_IC_Grab	49.525 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	24.026 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	190.865 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	168.0515 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.88047	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05042615000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11 °C	Detected and Quantified	F	Actual				4/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT22 **Visit Date:** 7/25/2005 2:50 PM
Visit Comment: KENNETH HICKMAN // // Highs mid 90's; scattered clouds; humidity 50%+ Highs mid to upper 80's with scattered showers

Activity: 050725145001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.98	Detected and Quantified	F	Actual				7/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	172.8 µeq/L	Detected and Quantified	F	Actual				8/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	27.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	7/29/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	91.417 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	63.618 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	90.567 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	18.176 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	223.054 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	7.148 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	42.266 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	23.547 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	263.778 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	245.761 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.9317	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05072514500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	21 °C	Detected and Quantified	F	Actual				7/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT22 **Visit Date:** 10/25/2005 2:15 PM
Visit Comment: H. HUFFMAN // // Drizzly, cold Showers, getting colder

Activity: 051025141501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.64	Detected and Quantified	F	Actual				10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	112.9255 µeq/L	Detected and Quantified	F	Actual				11/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	22 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	71.54519 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	55.53763 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	74.71765 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	12.89153 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	190.817 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	0.68523 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	53.56017 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	25.36638 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	214.6985 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	192.53728 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.89678	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05102514150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10 °C	Detected and Quantified	F	Actual				10/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT22 **Visit Date:** 1/30/2006 2:20 PM
Visit Comment: H. HUFFMAN // // Sunny, cool

Activity: 060130142001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.56	Detected and Quantified	F	Actual				2/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	73.66278 µeq/L	Detected and Quantified	F	Actual				2/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/6/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	56.53404 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	41.90442 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	66.33658 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	10.19811 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	176.176 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	54.43613 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	24.03559 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	174.97965 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	152.175 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.86967	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06013014200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	7 °C	Detected and Quantified	F	Actual				1/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT22 **Visit Date:** 4/25/2006 4:30 PM
Visit Comment: K HICKMAN // // Partly cloudy, high 70's Rain Friday and Saturday, warm

Activity: 060425163001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.68	Detected and Quantified	F	Actual				5/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	89.21207 µeq/L	Detected and Quantified	F	Actual			5/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	21.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	5/2/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	62.6719 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	46.91041 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	70.81765 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	11.97351 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	175.495 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	41.62131 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	22.75315 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	192.37997 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	153.62703 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.79856	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06042516300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	14.5 °C	Detected and Quantified	F	Actual				4/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT22 **Visit Date:** 7/25/2006 2:00 PM
Visit Comment: H. HUFFMAN // // Raining steady Hard to severe T-storms, lots of rain

Activity: 060725140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.52	Detected and Quantified	F	Actual				8/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	148.59716 µeq/L	Detected and Quantified	F	Actual				8/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	24.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/9/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	85.46673 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	60.60364 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	78.53555 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	15.50289 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	189.97 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	1.51649 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/19/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_Grab	44.70787 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/19/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	22.68447 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/19/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	241.6253 µeq/L	Detected and Quantified	F	Actual			2/6/2008	
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	216.03 µeq/L	Detected and Quantified	F	Actual			2/18/2008	
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.89407	Detected and Quantified	F	Actual			2/18/2008	
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06072514000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	20 °C	Detected and Quantified	F	Actual				7/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds

Project ID: VTSSS **Station ID:** VT22 **Visit Date:** 10/26/2006 11:55 AM

Visit Comment: H. HUFFMAN //
//Cold, clear
Cool, windy

Activity: 061026115501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.7712	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.82	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Metrohm_Grab	102.69529 µeq/L	Detected and Quantified	F	Actual			11/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
ANC_Manual_Grab	91.10353 µeq/L	Detected and Quantified	F	Actual			11/20/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	20.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	11/3/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	63.64439 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	47.54627 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	69.2335 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	11.70714 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	179.678 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	0.24777 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	1.07482 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	58.98941 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	25.16723 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	192.37907 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	176.33499 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.9166	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	187.92675 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

IONRATIO_MET_IC2_GRAB	0.97686	Detected and Quantified	F	Actual				4/23/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06102611550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8 °C	Detected and Quantified	F	Actual				10/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT23 **Visit Date:** 1/26/2005 11:00 AM
Visit Comment: KENNETH HICKMAN // // Slight rain Snow

Activity: 050126110001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.86	Detected and Quantified	F	Actual				1/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	91.2 µeq/L	Detected and Quantified	F	Actual				2/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/31/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	53.343 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	35.718 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	68.774 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	11.699 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	183.646 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N						
Result Comment: Reported value of 0.048.								
SO4_IC_Grab	36.275 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_IC_Grab	28.2 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_AA_GRAB	169.534 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC1_GRAB	155.7755 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC1_AA_GRAB	0.91885	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 05012611000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4 °C	Detected and Quantified	F	Actual				1/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT23 **Visit Date:** 4/26/2005 2:15 PM
Visit Comment: K. HICKMAN // // Partly cloudy, high in 60's Warm, low 80's until weekend cold rainy, snow flurries

Activity: 050426141501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.56	Detected and Quantified	F	Actual				5/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	110.3 µeq/L	Detected and Quantified	F	Actual				5/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	19.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	5/2/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	59.231 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	38.434 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	76.69 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	14.029 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	190.618 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.064.							
SO4_IC_Grab	34.008 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	28.595 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	188.384 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	173.0035 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.91836	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05042614150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11 °C	Detected and Quantified	F	Actual				4/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT23 **Visit Date:** 7/25/2005 2:00 PM
Visit Comment: KENNETH HICKMAN // // Highs mid 90's, scattered clouds, humidity 50%+ Highs mid to upper 80's with scattered showers

Activity: 050725140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.59	Detected and Quantified	F	Actual				8/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	191.2 µeq/L	Detected and Quantified	F	Actual				8/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	27.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/4/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	89.92 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	55.552 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	93.786 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	20.685 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	230.574 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.048.												
SO4_IC_Grab	31.762 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	27.1 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	259.943 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	250.1625 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.96237	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05072514000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	21 °C	Detected and Quantified	F	Actual				7/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT23 **Visit Date:** 10/25/2005 1:35 PM
Visit Comment: H. HUFFMAN // // Cold & now drizzly Showers, getting colder

Activity: 051025133501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.91	Detected and Quantified	F	Actual				10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	139.2061 µeq/L	Detected and Quantified	F	Actual				11/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	23.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	78.08191 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	46.25153 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	86.67192 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	16.83784 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	215.385 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	38.46075 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	29.11482 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	227.8497 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	206.82217 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.90771	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05102513350F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11 °C	Detected and Quantified	F	Actual				10/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds

Project ID: VTSSS **Station ID:** VT23 **Visit Date:** 1/30/2006 11:55 AM

Visit Comment: H. HUFFMAN // // Sunny, cool

Activity: 060130115501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.31	Detected and Quantified	F	Actual				2/7/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	106.84478 µeq/L	Detected and Quantified	F	Actual			2/17/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	20.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	2/7/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	60.75222 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	38.49517 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	76.30411 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	13.86186 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	185.405 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	42.45971 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	30.98441 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	189.41986 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	180.3294 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.95201	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06013011550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	7 °C	Detected and Quantified	F	Actual				1/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT23 **Visit Date:** 4/25/2006 3:50 PM
Visit Comment: K HICKMAN // // Partly cloudy, high 70's Rain Friday and Saturday

Activity: 060425155001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.53	Detected and Quantified	F	Actual				5/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	116.89016 µeq/L	Detected and Quantified	F	Actual				5/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	21.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	69.20829 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	43.38604 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	76.86824 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	14.74184 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	183.198 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	0.2751 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/12/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_Grab	45.5656 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/12/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	28.21274 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/12/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	204.47951 µeq/L	Detected and Quantified	F	Actual			2/6/2008	
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	190.709 µeq/L	Detected and Quantified	F	Actual			2/18/2008	
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.93266	Detected and Quantified	F	Actual			2/18/2008	
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06042515500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	14.5 °C	Detected and Quantified	F	Actual				4/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds

Project ID: VTSSS **Station ID:** VT23 **Visit Date:** 7/25/2006 1:15 PM

Visit Comment: H. HUFFMAN // // Hard rain Hard to severe T-storms, lots of rain

Activity: 060725131501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.61	Detected and Quantified	F	Actual				8/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	173.59443 µeq/L	Detected and Quantified	F	Actual				8/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	25.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/9/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	88.19214 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	54.22196 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	88.00488 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	18.08978 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	213.692 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	34.40123 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	27.03487 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	248.51526 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	235.07103 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.9459	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06072513150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18 °C	Detected and Quantified	F	Actual				7/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT23 **Visit Date:** 10/26/2006 11:15 AM
Visit Comment: H. HUFFMAN, K. HICKMAN
// //Cold, clear
Cool, windy

Activity: 061026111501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.8232	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.92	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	126.95829 µeq/L	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	116.10074 µeq/L	Detected and Quantified	F	Actual				11/21/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	65.85638 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	42.94635 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	76.42653 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	14.25613 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	190.551 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	0.74954 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	38.62562 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	28.58075 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	199.49189 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	184.05665 µeq/L	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.92263	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_MET_IC2_GRAB	194.9142 µeq/L	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_MET_IC2_GRAB	0.97705	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06102611150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6.1 °C	Detected and Quantified	F	Actual				10/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT24 **Visit Date:** 2/2/2005 11:50 AM
Visit Comment: R. MCCLANAHAN // // Partly sunny, mid-40's temp., 2" snow on ground. Cold, snow 3-5", sleet & freezing rain; low temp. 5 - 10 F; high temp. - 40's F.

Activity: 050202115001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.26	Detected and Quantified	F	Actual				2/7/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	19.6 µeq/L	Detected and Quantified	F	Actual				2/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	12.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	2/7/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	49.251 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	27.57 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	13.833 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	9.114 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	82.651 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Present <QL	*Present <QL	F	Actual	0.201 ueq/L	0.639 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.274.							
SO4_IC_Grab	61.048 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	15.425 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	99.768 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	96.493 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.96717	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05020211500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	2 °C	Detected and Quantified	F	Actual				2/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT24 **Visit Date:** 4/25/2005 9:15 AM
Visit Comment: T. CALDWELL, H. WOLFE // // Partly cloudy, 45 Warm and sunny with rain showers

Activity: 050425091501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.25	Detected and Quantified	F	Actual				5/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	16.9 µeq/L	Detected and Quantified	F	Actual				5/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	12.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/2/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	47.355 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	26.748 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	14.747 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	10.675 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	80.942 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.048.												
SO4_IC_Grab	58.718 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	15.284 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	99.525 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	91.0025 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC1_AA_GRAB	0.91437	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Activity: 050425091501 **Activity Type:** Quality Control Sample-Field Replicate **Activity Depth:** **Relative Depth:** **Replicate #:** 1

Custody ID: **Person(s):** **QC Sample?:** Yes

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.26	Detected and Quantified	F	Actual				5/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	18.7 µeq/L	Detected and Quantified	F	Actual				5/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	12.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/2/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	47.355 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	26.994 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	14.66 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	10.752 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	80.311 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.048.												
SO4_IC_Grab	58.885 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	15.425 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_AA_GRAB	99.761 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	93.1105 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.93334	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05042509150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8 °C	Detected and Quantified	F	Actual				4/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT24 **Visit Date:** 7/25/2005 11:45 AM
Visit Comment: TRACY CALDWELL // // Sunny, hot and dry Sunny, hot and dry, temperatures in 90's all week

Activity: 050725114501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.44	Detected and Quantified	F	Actual				7/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	38.6 µeq/L	Detected and Quantified	F	Actual				8/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/28/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	74.002 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	30.616 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	13.833 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_AA_Grab	10.778 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	110.008 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	3.751 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	61.339 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	12.295 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	129.229 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	115.985 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.89752	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05072511450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18 °C	Detected and Quantified	F	Actual				7/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT24 **Visit Date:** 10/28/2005 11:20 AM
Visit Comment: TRACY R. CALDWELL // // Partly cloudy, upper 40's Cold, rain showers

Activity: 051028112001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.59	Detected and Quantified	F	Actual				11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	46.16551 µeq/L	Detected and Quantified	F	Actual			12/1/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	14.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	11/3/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	74.21957 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	27.55125 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	12.64101 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	9.25016 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	106.788 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of -0.09774.							
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	60.08655 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	12.25298 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	123.66849 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	118.54554 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.95858	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05102811200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	7 °C	Detected and Quantified	F	Actual				10/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT24 **Visit Date:** 1/26/2006 12:45 PM
Visit Comment: RON NIXON // // Sunny, low 30's. 0.25" rain, generally warm and sunny.

Activity: 060126124501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.72	Detected and Quantified	F	Actual				2/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	3.66978 µeq/L	Detected and Quantified	F	Actual				2/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	9.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	23.46392 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	26.9555 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	12.63976 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	7.14752 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	62.98 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	45.65354 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	15.51916 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	11.818 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	70.2132 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	64.88298 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.92409	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06012612450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4 °C	Detected and Quantified	F	Actual				1/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT24 **Visit Date:** 4/24/2006 10:00 AM
Visit Comment: TRACY CALDWELL // // Warm, partly cloudy Warm w/thunderstorms, 1 inch of rain

Activity: 060424100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.41	Detected and Quantified	F	Actual				4/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	19.51835 µeq/L	Detected and Quantified	F	Actual				5/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	12.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	4/26/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	46.74241 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	25.17843 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	15.15639 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	10.27459 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	80.576 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	55.69102 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	16.67459 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	97.35832 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	91.92446 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.94419	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06042410000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12 °C	Detected and Quantified	F	Actual				4/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT24 **Visit Date:** 7/26/2006 10:30 AM
Visit Comment: TRACY CALDWELL // // Sunny 80, isolated showers

Activity: 060726103001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.54	Detected and Quantified	F	Actual				8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	41.10919 µeq/L	Detected and Quantified	F	Actual				8/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	14.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	68.51542 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	29.99619 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	14.03027 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	10.358 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	104.414 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	57.74439 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	13.68755 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	122.90638 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC2_GRAB	112.58163 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.916	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06072610300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	14 °C	Detected and Quantified	F	Actual				7/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT24 **Visit Date:** 10/25/2006 10:30 AM
Visit Comment: TRACY CALDWELL
//
Cloudy and cold, windy //Clear, cold, 40 F

Activity: 061025103001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.2536	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.3	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	24.60626 µeq/L	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	21.90023 µeq/L	Detected and Quantified	F	Actual				11/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	12.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	50.00634 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	25.08229 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	14.26344 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	10.13535 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	81.34 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	57.52742 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	15.68582 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	99.49392 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	95.15397 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.95638	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	97.86 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.98358	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06102510300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6 °C	Detected and Quantified	F	Actual				10/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT25 **Visit Date:** 1/31/2005 3:40 PM
Visit Comment: R. MCCLANAHAN // // Partly cloudy, cool, mid-40's temp. Cold, snow (2-4"), sleet & freezing rain; low temp. - 10's; high temp. - 40's.

Activity: 050131154001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.75	Detected and Quantified	F	Actual				2/7/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	3.3 µeq/L	Detected and Quantified	F	Actual				2/23/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/7/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	21.856 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	23.949 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	11.962 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	7.219 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	95.052 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.048.												

SO4_IC_Grab	41.496 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	14.749 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	*Present <QL	*Present <QL	F	Actual	1.524 ug/l	4.845 ug/l	4/11/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 2.509.							
SBC_AA_GRAB	64.986 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	59.6455 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.91782	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05013115400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4 °C	Detected and Quantified	F	Actual				1/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT25 **Visit Date:** 4/25/2005 8:30 AM
Visit Comment: T. CALDWELL, H. WOLFE // // Partly cloudy, 45 Warm and sunny with rain showers

Activity: 050425083001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.92	Detected and Quantified	F	Actual				5/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	5.3 µeq/L	Detected and Quantified	F	Actual				5/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	9.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	5/2/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	21.906 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	24.278 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	13.006 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	7.834 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	61.818 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.064.							
SO4_IC_Grab	41.101 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	14.551 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	12.451 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	67.024 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	61.0525 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.91091	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05042508300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8 °C	Detected and Quantified	F	Actual				4/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT25 **Visit Date:** 7/25/2005 11:00 AM
Visit Comment: TRACY CALDWELL // // Sunny, hot Sunny, hot, dry, 90 all week

Activity: 050725110001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.88	Detected and Quantified	F	Actual				7/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	5.4 µeq/L	Detected and Quantified	F	Actual				8/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	9.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/28/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	22.355 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	23.62 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	13.354 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	8.627 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	80.825 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	1.61 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_IC_Grab	35.214 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	14.89 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	17.97 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/26/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	67.956 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	57.114 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.84046	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05072511000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	20 °C	Detected and Quantified	F	Actual				7/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds

Project ID: VTSSS **Station ID:** VT25 **Visit Date:** 10/28/2005 10:30 AM

Visit Comment: TRACY R. CALDWELL // // Partly cloudy, upper 40's Cold, rain showers

Activity: 051028103001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.08	Detected and Quantified	F	Actual				11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	12.01911 µeq/L	Detected and Quantified	F	Actual				12/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	8.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	21.40679 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	25.6351 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	12.56546 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	10.67631 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	88.229 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of -0.07071.							
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	36.26749 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	14.47303 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	70.29016 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	62.80013 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.89344	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05102810300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8 °C	Detected and Quantified	F	Actual				10/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT25 **Visit Date:** 1/26/2006 1:30 PM
Visit Comment: RON NIXON // // Sunny, cold. 0.25" rain, warm and sunny.

Activity: 060126133001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.11	Detected and Quantified	F	Actual				2/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	14.40104 µeq/L	Detected and Quantified	F	Actual				2/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	12.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	46.08541 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	27.47717 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	14.5882 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	9.3423 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	76.061 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	58.44203 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	16.4496 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	97.49958 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	89.33317 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.91624	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06012613300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	3 °C	Detected and Quantified	F	Actual				1/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT25 **Visit Date:** 4/24/2006 9:00 AM
Visit Comment: TRACY CALDWELL // // Warm, partly cloudy Warm w/thunderstorms, 1 inch of rain

Activity: 060424090001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.01	Detected and Quantified	F	Actual				4/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	6.16952 µeq/L	Detected and Quantified	F	Actual				5/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	9.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/26/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	24.95706 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	26.02905 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	13.49416 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	8.119 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	60.308 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	42.49761 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	15.55432 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	72.60577 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	64.26195 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.88508	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06042409000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	13 °C	Detected and Quantified	F	Actual				4/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds

Project ID: VTSSS **Station ID:** VT25 **Visit Date:** 7/26/2006 9:30 AM

Visit Comment: TRACY CALDWELL // // Sunny & clear 80, isolated showers

Activity: 060726093001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.83	Detected and Quantified	F	Actual				8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	7.93812 µeq/L	Detected and Quantified	F	Actual			8/24/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	9.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	8/10/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	25.15686 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	25.22423 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	12.45202 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	7.9741 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	77.937 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	36.78052 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	13.85207 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	22.595 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	70.81371 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	58.61121 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.82768	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

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Activity: 060726093001 **Activity Type:** Quality Control Sample-Field Replicate **Activity Depth:** **Relative Depth:** **Replicate #:** 1
Custody ID: **Person(s):** **QC Sample?:** Yes

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.89	Detected and Quantified	F	Actual				8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	6.11322 µeq/L	Detected and Quantified	F	Actual				8/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	9.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	24.89174 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	25.24261 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	12.43471 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	7.96985 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	77.721 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	36.88074 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	13.9058 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_Grab	23.365 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	70.54541 µeq/L	Detected and Quantified	F	Actual				3/19/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	56.94026 µeq/L	Detected and Quantified	F	Actual				3/19/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.80714	Detected and Quantified	F	Actual				3/19/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06072609300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18 °C	Detected and Quantified	F	Actual				7/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT25 **Visit Date:** 10/25/2006 9:45 AM
Visit Comment: TRACY CALDWELL
// //Clear, 40 F
Cloudy and cold, windy

Activity: 061025094501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	5.7425	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	5.89	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	7.20238 µeq/L	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	6.16952 µeq/L	Detected and Quantified	F	Actual				11/16/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	10 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	24.01484 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_Grab	25.57284 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	12.93116 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	8.86616 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	74.916 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	0.14444 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	42.51232 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	16.08984 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	16.996 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	71.52944 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	64.81218 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.90609	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	65.84504 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.92053	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06102509450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6 °C	Detected and Quantified	F	Actual				10/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT26 **Visit Date:** 1/27/2005
Visit Comment: E.A. LAMENT // // Sunny, high 32 F Variable - sun, snow, ice, rain, lows 5-30, highs 16-48

Activity: 050127999901 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.2	Detected and Quantified	F	Actual				2/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-6.3 µeq/L	Detected and Quantified	F	Actual				2/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	16.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/2/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	46.457 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	34.895 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	11.788 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	10.419 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	64.192 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	4.669 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_IC_Grab	86.965 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	18.358 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	45.016 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/11/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	103.559 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	103.692 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	1.00128	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05012799990F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	2 °C	Detected and Quantified	F	Actual				1/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds

Project ID: VTSSS **Station ID:** VT26 **Visit Date:** 4/29/2005 11:42 AM

Visit Comment: E.A. LAMENT // // Rain, high 61 F Cool, mostly sunny, some showers, highs 39-63 F, lows 30-45 F

Activity: 050429114201 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.27	Detected and Quantified	F	Actual				5/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-6.3 µeq/L	Detected and Quantified	F	Actual				5/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/4/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_AA_Grab	44.112 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	33.332 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	12.267 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	11.546 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	65.089 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	2.544 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	85.717 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	18.189 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	40.977 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/25/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	101.257 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	100.15 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.98907	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05042911420F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	7 °C	Detected and Quantified	F	Actual				4/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

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Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT26 **Visit Date:** 7/25/2005 3:00 PM
Visit Comment: GEORGE ANNIS // // Sunny, hot, humid Hot, humid, few showers

Activity: 050725150001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.07	Detected and Quantified	F	Actual				8/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-4.7 µeq/L	Detected and Quantified	F	Actual				8/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	14.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/3/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	37.275 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	28.887 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	13.093 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	5.248 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	84.809 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.048.												
SO4_IC_Grab	71.074 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	16.638 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_Grab	37.291 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		4/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_AA_GRAB	84.503 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	83.1125 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.98354	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 050725150001 **Activity Type:** Quality Control Sample-Field Replicate **Activity Depth:** **Relative Depth:** **Replicate #:** 1

Custody ID: **Person(s):** **QC Sample?:** Yes

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.06	Detected and Quantified	F	Actual				8/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-5.6 µeq/L	Detected and Quantified	F	Actual				8/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	14.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/3/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	37.575 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	29.216 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	13.05 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	5.171 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	85.208 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.032.												
SO4_IC_Grab	70.366 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cl_IC_Grab	16.582 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	37.996 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/26/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	85.012 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	81.4485 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.95808	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05072515000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	20 °C	Detected and Quantified	F	Actual				7/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT26 **Visit Date:** 10/27/2005 2:20 PM
Visit Comment: E.A. LAMENT // // Sunny, 70 Sunny, highs 70's, lows 35's

Activity: 051027142001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.31	Detected and Quantified	F	Actual				11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-3.14567 µeq/L	Detected and Quantified	F	Actual				12/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	12.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	35.52281 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_Grab	29.87356 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	12.41937 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	5.69703 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	86.154 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	0.32127 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	68.49208 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	15.93294 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	31.362 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	83.83404 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	81.31985 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.97001	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 051027142001 **Activity Type:** Quality Control Sample-Field Replicate **Activity Depth:** **Relative Depth:** **Replicate #:** 1

Custody ID: **Person(s):** **QC Sample?:** Yes

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.29	Detected and Quantified	F	Actual				11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-3.82946 µeq/L	Detected and Quantified	F	Actual				12/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	13.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	36.26212 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	31.92278 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	13.2025 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	5.65089 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	85.955 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	0.92097 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	67.97388 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	15.79211 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	30.869 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	87.95926 µeq/L	Detected and Quantified	F	Actual			3/19/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	79.97703 µeq/L	Detected and Quantified	F	Actual			3/19/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.90925	Detected and Quantified	F	Actual			3/19/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05102714200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	7 °C	Detected and Quantified	F	Actual				10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT26 **Visit Date:** 1/26/2006 2:30 PM
Visit Comment: GEORGE ANNIS // // Cold, clear. Showers, highs 40-50.

Activity: 060126143001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.19	Detected and Quantified	F	Actual				2/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-5.47912 µeq/L	Detected and Quantified	F	Actual				2/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	51.73497 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	37.70447 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	12.10552 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	10.64948 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	61.769 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	0.13698 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	3.86713 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	92.31869 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	21.17846 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	47.087 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	112.33142 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	111.88516 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.99603	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06012614300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4 °C	Detected and Quantified	F	Actual				1/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT26 **Visit Date:** 4/26/2006 1:00 PM
Visit Comment: GEORGE ANNIS // // Rain showers, cloudy, high 60 Mostly clear, scattered showers, highs 70's

Activity: 060426130001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.15	Detected and Quantified	F	Actual				5/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-7.18256 µeq/L	Detected and Quantified	F	Actual				5/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	18 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	5/3/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	51.78567 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	36.61104 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	12.29115 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	11.98758 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	64.74 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	0.7674 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	85.77674 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	20.9225 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	46.291 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/21/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	112.68194 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	100.28408 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.88997	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06042613000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10 °C	Detected and Quantified	F	Actual				4/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT26 **Visit Date:** 7/24/2006 1:00 PM
Visit Comment: TERRY BUSSEY // // Clear Light rain

Activity: 060724130001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.07	Detected and Quantified	F	Actual				8/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-8.14523 µeq/L	Detected and Quantified	F	Actual				8/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	16.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/9/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	46.27857 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	30.8647 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	12.17125 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	5.4929 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	74.368 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	81.40959 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	17.56986 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	39.234 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	94.81392 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	90.87472 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.95845	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06072413000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	17 °C	Detected and Quantified	F	Actual				7/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT26 **Visit Date:** 10/27/2006
Visit Comment: E.A. LAMENT //
//Rain, high 44
Highs low 30's to upper 40's; some rain, clouds, wind & sun

Activity: 061027999901 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	5.2322	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

pH_Manual_Grab *Dilution:* N	5.29 *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			11/2/2006
ANC_Metrohm_Grab *Dilution:* N	-0.88049 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			11/2/2006
ANC_Manual_Grab *Dilution:* N	-4.6828 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			11/16/2006
Cond_VWR_Manual_Grab *Dilution:* N	16.7 µS/cm *Recovery:* N	Detected and Quantified *Correction:* Y	F	Actual	0.162 uS/cm	0.515 uS/cm	11/2/2006
Ca_Ions_Grab *Dilution:* N	45.88951 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.468 ueq/L	1.488 ueq/L	8/1/2007
Mg_Ions_Grab *Dilution:* N	33.41532 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.218 ueq/L	0.694 ueq/L	8/1/2007
Na_Ions_Grab *Dilution:* N	12.33443 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.029 ueq/L	0.091 ueq/L	8/1/2007
K_Ions_Grab *Dilution:* N	13.95267 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.029 ueq/L	0.092 ueq/L	8/1/2007
SiO2_TC_Grab *Dilution:* N	69.537 µmol/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
NH4_Ions_Grab *Dilution:* N	*Non-detect *Recovery:* N	*Non-detect *Correction:* N	F	Actual	0.013 ueq/L	0.04 ueq/L	8/1/2007
NO3_Ions_Grab *Dilution:* N	*Non-detect *Recovery:* N	*Non-detect *Correction:* N	F	Actual	0.081 ueq/L	0.258 ueq/L	8/1/2007
SO4_Ions_Grab *Dilution:* N	84.74189 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.31 ueq/L	0.986 ueq/L	8/1/2007
Cl_Ions_Grab *Dilution:* N	20.65824 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.076 ueq/L	0.242 ueq/L	8/1/2007
T_AL_TC_Grab *Dilution:* N	42.319 µg/l *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	1.524 ug/l	4.845 ug/l	7/10/2007
SBC_IC2_GRAB *Dilution:* N	105.59843 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/6/2008
SAA_2PT_IC2_GRAB *Dilution:* N	100.75783 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			4/23/2008

IONRATIO_2PT_IC2_GRAB	0.95416	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_MET_IC2_GRAB	104.56014 µeq/L	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_MET_IC2_GRAB	0.99017	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Activity: 06102799990F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8 °C	Detected and Quantified	F	Actual				10/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT28 **Visit Date:** 1/27/2005 1:25 PM
Visit Comment: E.A. LAMENT // // Sunny, high 32 F Variable - sun, snow, ice, rain, lows 5-30, highs 16-48

Activity: 050127132501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.56	Detected and Quantified	F	Actual				2/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-2.2 µeq/L	Detected and Quantified	F	Actual				2/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/2/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	18.862 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	22.468 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Na_AA_Grab	10.44 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	6.989 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	70.517 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	41.392 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	13 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	21.869 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/11/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	58.759 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	52.2925 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.88995	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05012713250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	3 °C	Detected and Quantified	F	Actual				1/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT28 **Visit Date:** 4/29/2005 12:34 PM
Visit Comment: E.A. LAMENT // // Rain, high 61 F Cool, mostly sunny, some showers, highs 39-63 F, lows 30-45 F

Activity: 050429123401 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.76	Detected and Quantified	F	Actual				5/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	2.8 µeq/L	Detected and Quantified	F	Actual				5/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	9.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/4/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	20.758 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	23.209 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	10.788 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	7.782 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	65.487 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.048.												
SO4_IC_Grab	41.35 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	12.831 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_Grab	21.753 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		4/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_AA_GRAB	62.537 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	57.0815 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.91276	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05042912340F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9 °C	Detected and Quantified	F	Actual				4/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT28 **Visit Date:** 7/25/2005 2:30 PM
Visit Comment: GEORGE ANNIS // // Sunny, hot, humid Hot, humid, few showers

Activity: 050725143001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.79	Detected and Quantified	F	Actual				8/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	6.2 µeq/L	Detected and Quantified	F	Actual				8/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	7.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/3/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	21.108 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	21.316 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	11.223 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_AA_Grab	6.758 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	86.552 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.032.							
SO4_IC_Grab	29.224 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	11.675 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	27.43 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/26/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	60.405 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	47.1995 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.78138	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05072514300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	19 °C	Detected and Quantified	F	Actual				7/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT28 **Visit Date:** 10/27/2005 1:40 PM
Visit Comment: E.A. LAMENT // // Sunny, 70 Sunny, highs 70's, lows 35's

Activity: 051027134001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.02	Detected and Quantified	F	Actual				11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	15.31531 µeq/L	Detected and Quantified	F	Actual				12/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	8.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	24.15679 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	25.71038 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	11.17875 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	9.17167 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	95.915 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	0.39258 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	31.15597 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	12.62747 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	70.61017 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	59.13925 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.83755	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05102713400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	7 °C	Detected and Quantified	F	Actual				10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT28 **Visit Date:** 1/26/2006 1:00 PM
Visit Comment: GEORGE ANNIS // // Cold, snow on ground (1"). Showers, highs 40-50.

Activity: 060126130001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.35	Detected and Quantified	F	Actual				2/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-1.32972 µeq/L	Detected and Quantified	F	Actual				2/16/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	10.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	22.04336 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	25.8313 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	10.34347 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	7.00832 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	64.757 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	48.66646 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	14.36207 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	28.64 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	65.23295 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	61.73931 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.94644	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06012613000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4 °C	Detected and Quantified	F	Actual				1/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT28 **Visit Date:** 4/26/2006 11:30 AM
Visit Comment: GEORGE ANNIS // // Rain showers, cloudy, high 60 Mostly clear, scattered showers, highs 70's

Activity: 060426113001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.45	Detected and Quantified	F	Actual				5/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-0.64589 µeq/L	Detected and Quantified	F	Actual				5/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	10.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	23.65642 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	26.59982 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	10.64395 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	7.65816 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	63.047 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L						
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L						
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	46.60144 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	13.98768 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_Grab	29.586 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		6/21/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	68.56485 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_2PT_IC2_GRAB	59.98373 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_GRAB	0.87485	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Activity: 060426113001 **Activity Type:** Quality Control Sample-Field Replicate **Activity Depth:** **Relative Depth:** **Replicate #:** 1

Custody ID: **Person(s):** **QC Sample?:** Yes

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.43	Detected and Quantified	F	Actual				5/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-2.18303 µeq/L	Detected and Quantified	F	Actual				5/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	10.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/4/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	23.62413 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	26.63886 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	10.70343 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	7.66941 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	62.848 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	47.07072 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Cl_Ions_Grab	14.09044 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	29.44 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/21/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	68.64233 µeq/L	Detected and Quantified	F	Actual			3/19/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	59.01863 µeq/L	Detected and Quantified	F	Actual			3/19/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.8598	Detected and Quantified	F	Actual			3/19/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06042611300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11 °C	Detected and Quantified	F	Actual				4/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT28 **Visit Date:** 7/24/2006 12:30 PM
Visit Comment: TERRY BUSSEY // // Clear Light rain

Activity: 060724123001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.53	Detected and Quantified	F	Actual				8/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	5.31626 µeq/L	Detected and Quantified	F	Actual				8/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	8.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/9/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	22.83303 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_Grab	22.09628 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	10.97282 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	6.84072 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	87.582 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	29.8672 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	12.21985 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	33.448 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	62.74935 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	47.44381 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.75608	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06072412300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	16 °C	Detected and Quantified	F	Actual				7/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT28 **Visit Date:** 10/27/2006
Visit Comment: E.A. LAMENT //
//Rain, high 44
Highs low 30's to upper 40's; some rain, clouds, wind & sun

Activity: 061027999901 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	5.6478	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	5.69	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	7.49306 µeq/L	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	3.66978 µeq/L	Detected and Quantified	F	Actual				11/16/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	10.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	23.93197 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	25.70791 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	10.77947 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	9.81888 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	75.895 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	0.16256 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	41.14101 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	14.95644 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	36.238 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	70.40079 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	59.80773 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.84953	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	63.63101 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.90384	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06102799990F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	7 °C	Detected and Quantified	F	Actual				10/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT29 **Visit Date:** 1/27/2005 10:20 AM
Visit Comment: E.A. LAMENT // // Sunny, high 32 F Variable - sun, snow, ice, rain, lows 5-30, highs 16-48

Activity: 050127102001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.55	Detected and Quantified	F	Actual				2/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	-2.2 µeq/L	Detected and Quantified	F	Actual			2/21/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	9.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	2/2/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	19.76 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	22.386 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	10.048 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	7.398 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	51.344 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	1.513 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	39.52 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	14.185 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	13.149 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/11/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	59.592 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	53.018 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.88968	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05012710200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	2 °C	Detected and Quantified	F	Actual				1/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT29 **Visit Date:** 4/29/2005 3:51 PM
Visit Comment: E.A. LAMENT // // Rain, high 61 F Cool, mostly sunny, some showers, highs 39-63 F, lows 30-45 F

Activity: 050429155101 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.61	Detected and Quantified	F	Actual				5/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	0.3 µeq/L	Detected and Quantified	F	Actual				5/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	9.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/4/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	19.511 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	21.151 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	10.266 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	8.038 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	48.522 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.048.												

SO4_IC_Grab	38.522 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	13.621 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	13.593 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	58.966 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	52.5435 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.89108	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05042915510F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10 °C	Detected and Quantified	F	Actual				4/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT29 **Visit Date:** 7/25/2005 12:30 PM
Visit Comment: GEORGE ANNIS // // Sunny, hot, humid Hot, humid, few showers

Activity: 050725123001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.29	Detected and Quantified	F	Actual				8/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	2.8 µeq/L	Detected and Quantified	F	Actual				8/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	10.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/3/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_AA_Grab	21.457 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	23.538 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	11.528 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	7.68 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	67.994 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.032.							
SO4_IC_Grab	37.378 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	13.818 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	15.53 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/26/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	64.203 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	54.0965 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.84259	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05072512300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	20 °C	Detected and Quantified	F	Actual				7/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT29 **Visit Date:** 10/27/2005 10:20 AM
Visit Comment: E.A. LAMENT // // Sunny, 70 Sunny, highs 70's, lows 35's

Activity: 051027102001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.56	Detected and Quantified	F	Actual				11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	1.85389 µeq/L	Detected and Quantified	F	Actual				12/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	9.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	22.95642 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	28.48727 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	11.16884 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	7.43381 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	65.039 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	44.21469 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	14.28619 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_Grab	12.79 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		6/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	70.05284 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC2_GRAB	60.39527 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.86214	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05102710200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8 °C	Detected and Quantified	F	Actual				10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT29 **Visit Date:** 1/26/2006 10:00 AM
Visit Comment: GEORGE ANNIS // // Cold, snow on ground (1.5"). Showers, high in 40's.

Activity: 060126100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.49	Detected and Quantified	F	Actual				2/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	0.31673 µeq/L	Detected and Quantified	F	Actual				2/16/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	10.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/6/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	22.76782 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	24.23034 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	9.86094 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_Grab	7.27235 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	50.315 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	0.79865 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	41.28308 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	14.52686 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	15.475 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	64.13795 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	56.92532 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.88755	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06012610000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4 °C	Detected and Quantified	F	Actual				1/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT29 **Visit Date:** 4/26/2006 9:30 AM
Visit Comment: GEORGE ANNIS // // Rain showers, cloudy, highs 60 Scattered showers, highs 60-70

Activity: 060426093001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.35	Detected and Quantified	F	Actual				5/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-3.09705 µeq/L	Detected and Quantified	F	Actual				5/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	10 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	22.52287 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	23.4886 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	10.28209 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	7.84128 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	48.489 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	38.42275 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	14.27599 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_Grab	14.525 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		6/21/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	64.14134 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC2_GRAB	49.64219 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.77395	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06042609300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9 °C	Detected and Quantified	F	Actual				4/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT29 **Visit Date:** 7/24/2006 10:30 AM
Visit Comment: TERRY BUSSEY // // Clear Light rain

Activity: 060724103001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.26	Detected and Quantified	F	Actual				8/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	1.85389 µeq/L	Detected and Quantified	F	Actual				8/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	10.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/9/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	22.387 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	22.145 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	10.6058 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_Grab	6.95203 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	63.379 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	37.33155 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	14.05261 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	16.305 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	62.09633 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	53.27855 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.858	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06072410300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	17 °C	Detected and Quantified	F	Actual				7/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

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Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT29 **Visit Date:** 10/27/2006
Visit Comment: E.A. LAMENT //
//Rain, high 44
Highs low 30's to upper 40's; some rain, clouds, wind & sun

Activity: 061027999901 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	5.568	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	5.6	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	4.10785 µeq/L	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	1.85389 µeq/L	Detected and Quantified	F	Actual				11/16/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	9.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	22.01244 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	23.34099 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	9.7102 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	10.6132 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	53.12 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	42.14059 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	15.46529 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	22.251 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	65.68333 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	59.50027 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.90587	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	61.75423 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.94018	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06102799990F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8 °C	Detected and Quantified	F	Actual				10/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT31 **Visit Date:** 1/27/2005 3:55 PM
Visit Comment: E.A. LAMENT // // Sunny, high 32 F Variable - sun, snow, ice, rain, lows 5-30, highs 16-48

Activity: 050127155501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.2	Detected and Quantified	F	Actual				2/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	-7.2 µeq/L	Detected and Quantified	F	Actual			2/21/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	10.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	2/2/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	14.82 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	21.727 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	12.267 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	6.63 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	64.375 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	45.011 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	15.059 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	37.505 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	55.444 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	52.9705 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.95539	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Activity: 050127155501 **Activity Type:** Quality Control Sample-Field Replicate **Activity Depth:** **Relative Depth:** **Replicate #:** 1
Custody ID: **Person(s):** **QC Sample?:** Yes
Activity Comment: v

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.21	Detected and Quantified	F	Actual				2/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-7.2 µeq/L	Detected and Quantified	F	Actual				2/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	10.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/2/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	14.421 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	21.48 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	12.137 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	6.502 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	63.81 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.048.												
SO4_IC_Grab	44.533 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	14.805 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_Grab	39.274 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		4/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	54.54 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	52.2385 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.9578	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05012715550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	1 °C	Detected and Quantified	F	Actual				1/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT31 **Visit Date:** 4/29/2005 10:10 AM
Visit Comment: E.A. LAMENT // // Rain, high 61 F Cool, mostly sunny, some showers, highs 39-63 F, lows 30-45 F

Activity: 050429101001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.27	Detected and Quantified	F	Actual				5/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-6.3 µeq/L	Detected and Quantified	F	Actual				5/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	10.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/4/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	13.673 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	21.48 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	12.528 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	7.066 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	60.789 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	44.45 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	14.128 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	37.973 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	54.747 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	52.3785 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.95674	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05042910100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	7 °C	Detected and Quantified	F	Actual				4/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT31 **Visit Date:** 7/26/2005 12:35 PM
Visit Comment: E.A. LAMENT // // Sunny, hot Sunny, 80-87, some thunderstorms

Activity: 050726123501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.18	Detected and Quantified	F	Actual				8/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	-5.6 µeq/L	Detected and Quantified	F	Actual			8/11/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	10.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	8/4/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	16.716 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	21.233 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	12.484 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	6.426 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	76.094 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	40.81 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	14.89 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	46.31 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/26/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	56.859 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	50.2005 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.88289	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05072612350F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18 °C	Detected and Quantified	F	Actual				7/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT31 **Visit Date:** 10/27/2005 3:45 PM
Visit Comment: E.A. LAMENT // // Sunny, 70 Sunny, highs 70's, lows 35's

Activity: 051027154501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.63	Detected and Quantified	F	Actual				11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	5.31626 µeq/L	Detected and Quantified	F	Actual				12/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	10.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	21.63514 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	31.47553 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	12.49953 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	12.81652 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	89.574 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	41.7027 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	16.28127 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	40.766 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	78.43322 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	63.34073 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.80758	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05102715450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6 °C	Detected and Quantified	F	Actual				10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT31 **Visit Date:** 1/26/2006 3:00 PM
Visit Comment: GEORGE ANNIS // // Clear, cold. Showers, highs 40-50.

Activity: 060126150001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.09	Detected and Quantified	F	Actual				2/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-6.32921 µeq/L	Detected and Quantified	F	Actual				2/16/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	12.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	2/6/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	17.20752 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	24.69688 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	11.99224 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	6.23344 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	61.32 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	0.13838 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	51.43215 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	16.26689 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	45.01 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	60.26846 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	61.41033 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	1.01895	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

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Activity: 060126150001 **Activity Type:** Quality Control Sample-Field Replicate **Activity Depth:** **Relative Depth:** **Replicate #:** 1
Custody ID: **Person(s):** **QC Sample?:** Yes

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.08	Detected and Quantified	F	Actual				2/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-8.82895 µeq/L	Detected and Quantified	F	Actual				2/16/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	12.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/6/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	17.24742 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	24.7057 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	11.97908 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	6.29131 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	61.503 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	51.60723 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	16.1131 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_Grab	44.984 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		6/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	60.23001 µeq/L	Detected and Quantified	F	Actual				3/19/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	58.93188 µeq/L	Detected and Quantified	F	Actual				3/19/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.97845	Detected and Quantified	F	Actual				3/19/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06012615000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4 °C	Detected and Quantified	F	Actual				1/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT31 **Visit Date:** 4/26/2006 2:00 PM
Visit Comment: GEORGE ANNIS // // Rain showers, cloudy, high 60 Mostly clear, scattered showers, highs 70's

Activity: 060426140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.16	Detected and Quantified	F	Actual				5/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-8.45 µeq/L	Detected and Quantified	F	Actual				5/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	11 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	17.04345 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	24.06465 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	12.6162 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	6.49106 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	62.831 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	46.5007 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	15.73375 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	39.95 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/21/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	60.22186 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	53.82495 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.89378	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06042614000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11 °C	Detected and Quantified	F	Actual				4/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

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Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT31 **Visit Date:** 7/24/2006 2:00 PM
Visit Comment: TERRY BUSSEY // // Clear Light rain

Activity: 060724140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.19	Detected and Quantified	F	Actual				8/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-4.6828 µeq/L	Detected and Quantified	F	Actual				8/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	10.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/9/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	18.51849 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	23.09385 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	12.43623 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	6.67711 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	76.194 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	39.33003 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	14.86664 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_Grab	50.447 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	60.73218 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC2_GRAB	49.55437 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.81595	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06072414000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	17 °C	Detected and Quantified	F	Actual				7/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT31 **Visit Date:** 10/26/2006 3:20 PM
Visit Comment: E.A. LAMENT //
//Partly to mostly cloudy, high upper 40's.
Highs low 30's to upper 40's; some rain, clouds, wind & sun

Activity: 061026152001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	5.2356	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	5.27	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	-2.90392 µeq/L	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-4.6828 µeq/L	Detected and Quantified	F	Actual				11/16/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	11 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	16.99176 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	23.88494 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	12.61264 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	5.91874 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	72.16 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	0.14324 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	45.30221 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	16.08906 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	39.132 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	59.55132 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	56.74897 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.95294	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	58.52785 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.98281	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06102615200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6 °C	Detected and Quantified	F	Actual				10/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT32 **Visit Date:** 1/27/2005 11:50 AM
Visit Comment: E.A. LAMENT // // Sunny, high 32 F Variable - sun, snow, ice, rain, lows 5-30, highs 16-48

Activity: 050127115001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.58	Detected and Quantified	F	Actual				2/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	1.9 µeq/L	Detected and Quantified	F	Actual				2/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	15.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/2/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	57.036 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	37.282 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	10.222 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	7.322 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	51.161 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	16.631 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_IC_Grab	75.712 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	17.202 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	25.134 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/11/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	111.862 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	111.445 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.99627	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05012711500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	2 °C	Detected and Quantified	F	Actual				1/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds

Project ID: VTSSS **Station ID:** VT32 **Visit Date:** 4/29/2005 2:14 PM

Visit Comment: E.A. LAMENT // // Rain, high 61 F Cool, mostly sunny, some showers, highs 39-63 F, lows 30-45 F

Activity: 050429141401 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.71	Detected and Quantified	F	Actual				5/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	2.8 µeq/L	Detected and Quantified	F	Actual				5/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	16.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/4/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_AA_Grab *Dilution:* N	58.982 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Mg_AA_Grab *Dilution:* N	36.788 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Na_AA_Grab *Dilution:* N	10.744 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
K_AA_Grab *Dilution:* N	8.269 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
SiO2_TC_Grab *Dilution:* N	51.244 µmol/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
NO3_IC_Grab *Dilution:* N	9.757 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.201 ueq/L	0.639 ueq/L	11/16/2005
SO4_IC_Grab *Dilution:* N	76.606 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Cl_IC_Grab *Dilution:* N	17.117 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
T_AL_TC_Grab *Dilution:* N	24.872 µg/l *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	1.524 ug/l	4.845 ug/l	4/25/2006
SBC_AA_GRAB *Dilution:* N	114.783 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/6/2008
SAA_2PT_IC1_GRAB *Dilution:* N	106.28 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/6/2008
IONRATIO_2PT_IC1_AA_GRAB *Dilution:* N	0.92592 *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/6/2008

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT32 **Visit Date:** 7/25/2005 1:00 PM
Visit Comment: GEORGE ANNIS // // Sunny, hot, humid Sunny, hot, few showers

Activity: 050725130001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.09	Detected and Quantified	F	Actual				8/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	19.4 µeq/L	Detected and Quantified	F	Actual				8/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	14.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/3/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	59.531 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	42.714 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	11.484 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	7.859 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	67.031 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	8.903 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	63.835 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	17.061 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	121.588 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	109.199 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

IONRATIO_2PT_IC1_AA_GRAB	0.89811	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05072513000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18 °C	Detected and Quantified	F	Actual				7/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT32 **Visit Date:** 10/27/2005 12:00 PM
Visit Comment: E.A. LAMENT // // Sunny, 70 Sunny, highs 70's, lows 35's

Activity: 051027120001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.45	Detected and Quantified	F	Actual				11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	50.43295 µeq/L	Detected and Quantified	F	Actual				12/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	16.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	70.19715 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	58.30404 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	10.31049 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	13.32202 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	72.359 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NH4_Ions_Grab	0.31722 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	68.37475 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	18.32851 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	152.45092 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	137.17671 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.89981	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05102712000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	5 °C	Detected and Quantified	F	Actual				10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT32 **Visit Date:** 1/26/2006 11:30 AM
Visit Comment: GEORGE ANNIS // // Cold, snow on ground (1.5"). Showers, high 40's.

Activity: 060126113001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.41	Detected and Quantified	F	Actual				2/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-1.32972 µeq/L	Detected and Quantified	F	Actual				2/16/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	17.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	2/6/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	63.06148 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	38.13908 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	10.45667 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	7.77504 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	48.206 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	15.03039 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	77.07455 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	19.03589 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	35.596 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	119.43877 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	109.81111 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.91939	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06012611300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	3 °C	Detected and Quantified	F	Actual				1/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT32 **Visit Date:** 4/26/2006 10:15 AM
Visit Comment: GEORGE ANNIS // // Rain showers, cloudy, high 60 Mostly clear, scattered showers, highs 70's

Activity: 060426101501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.55	Detected and Quantified	F	Actual				5/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	2.87526 µeq/L	Detected and Quantified	F	Actual				5/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	16.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	60.00264 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	36.46668 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	10.9185 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	7.88625 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	50.149 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	0.1168 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	1.00876 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	74.86507 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	18.76882 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	29.477 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/21/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	115.39087 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	97.51791 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.84511	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06042610150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8 °C	Detected and Quantified	F	Actual				4/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT32 **Visit Date:** 7/24/2006 11:30 AM
Visit Comment: TERRY BUSSEY // // Clear Light rain

Activity: 060724113001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.7	Detected and Quantified	F	Actual				8/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	9.51936 µeq/L	Detected and Quantified	F	Actual				8/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	16.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	8/9/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	63.29425 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	39.44775 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	11.12563 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	7.28355 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	61.32 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	0.15491 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	8.14447 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	76.24881 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	18.22005 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	27.113 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	121.30609 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	112.13269 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.92438	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06072411300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	15 °C	Detected and Quantified	F	Actual				7/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT32 **Visit Date:** 10/27/2006
Visit Comment: E.A. LAMENT //
//Rain, high 44
Highs low 30's to upper 40's; some rain, clouds, wind & sun

Activity: 061027999901 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	5.5987	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	5.68	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	8.08936 µeq/L	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	5.31626 µeq/L	Detected and Quantified	F	Actual				11/16/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	16.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	60.08706 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	39.20718 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	10.82852 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_Grab	10.06963 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	54.896 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	5.27426 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	77.47881 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	19.46729 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	34.436 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	120.19889 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	107.53662 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.89466	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	110.30972 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.91773	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06102799990F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8 °C	Detected and Quantified	F	Actual				10/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT33 **Visit Date:** 1/29/2005 1:00 PM
Visit Comment: JOHN WILLIAMS // // Snow showers, 20 F Snow showers, cold

Activity: 050129130001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.29	Detected and Quantified	F	Actual				2/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	296.7 µeq/L	Detected and Quantified	F	Actual				2/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	40.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/1/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	299.15 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	62.877 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	18.792 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	10.419 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	84.776 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.048.												
SO4_IC_Grab	57.491 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	16.976 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	391.238 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	371.2675 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.94896	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05012913000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	1 °C	Detected and Quantified	F	Actual				1/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT33 **Visit Date:** 4/24/2005 2:30 PM
Visit Comment: JOHN WILLIAMS // // It's snowing Showers/seasonal

Activity: 050424143001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.27	Detected and Quantified	F	Actual				4/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	178.5 µeq/L	Detected and Quantified	F	Actual				5/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	28.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/27/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	191.766 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	51.108 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	19.749 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	11.674 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	83.299 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	56.722 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	17.033 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	274.297 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	252.3555 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.92001	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05042414300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10 °C	Detected and Quantified	F	Actual				4/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT33 **Visit Date:** 7/25/2005 1:00 PM
Visit Comment: JOHN WILLIAMS // // Hot, hazy Hot & hazy, scattered showers

Activity: 050725130001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.3	Detected and Quantified	F	Actual				7/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	843.4 µeq/L	Detected and Quantified	F	Actual				8/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	91.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	7/28/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	776.943 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	126.824 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	25.534 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	16.666 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	118.59 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	62.504 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	17.569 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	945.967 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	923.5735 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.97633	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05072513000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	21.5 °C	Detected and Quantified	F	Actual				7/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT33 **Visit Date:** 10/30/2005 11:46 AM
Visit Comment: JOHN WILLIAMS // N/A although there were a lot of hunting trailers along the route. // Sunny, 16C Seasonal/showers

Activity: 051030114601 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.68	Detected and Quantified	F	Actual				11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	703.42488 µeq/L	Detected and Quantified	F	Actual				12/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	76.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	628.18226 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	111.85851 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	20.8639 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	14.32753 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	109.875 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	62.68551 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	15.25744 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	775.2387 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	781.40833 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	1.00796	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05103011460F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	7.5 °C	Detected and Quantified	F	Actual				10/30/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT33 **Visit Date:** 1/28/2006 3:30 PM
Visit Comment: JOHN WILLIAMS // // 60 degrees & sunny. Unseasonably warm, showers.

Activity: 060128153001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.14	Detected and Quantified	F	Actual				2/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	209.19794 µeq/L	Detected and Quantified	F	Actual				2/13/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	30.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	211.52344 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	51.98891 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	20.51971 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	11.4401 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/27/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	81.124 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	56.44698 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	18.59031 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/27/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	295.47866 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	284.27573 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.96209	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06012815300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8 °C	Detected and Quantified	F	Actual				1/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds

Project ID: VTSSS **Station ID:** VT33 **Visit Date:** 4/30/2006 10:00 AM

Visit Comment: JOHN WILLIAMS // // Cool, overcast, 40-70 Showers last weekend, sunny & cool the rest of the week

Activity: 060430100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.42	Detected and Quantified	F	Actual				5/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab *Dilution:* N	281.02766 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			5/11/2006
Cond_VWR_Manual_Grab *Dilution:* N	36.7 µS/cm *Recovery:* N	Detected and Quantified *Correction:* Y	F	Actual	0.162 uS/cm	0.515 uS/cm	5/3/2006
Ca_Ions_Grab *Dilution:* Y	264.18544 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.468 ueq/L	1.488 ueq/L	7/16/2007
Mg_Ions_Grab *Dilution:* N	63.03326 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.218 ueq/L	0.694 ueq/L	7/12/2007
Na_Ions_Grab *Dilution:* N	19.94404 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.029 ueq/L	0.091 ueq/L	7/12/2007
K_Ions_Grab *Dilution:* N	11.71222 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.029 ueq/L	0.092 ueq/L	7/12/2007
SiO2_TC_Grab *Dilution:* N	86.785 µmol/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
NH4_Ions_Grab *Dilution:* N	*Non-detect *Recovery:* N	*Non-detect *Correction:* N	F	Actual	0.013 ueq/L	0.04 ueq/L	7/12/2007
NO3_Ions_Grab *Dilution:* N	*Non-detect *Recovery:* N	*Non-detect *Correction:* N	F	Actual	0.081 ueq/L	0.258 ueq/L	7/12/2007
SO4_Ions_Grab *Dilution:* N	53.4374 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.31 ueq/L	0.986 ueq/L	7/12/2007
Cl_Ions_Grab *Dilution:* N	17.06525 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual	0.076 ueq/L	0.242 ueq/L	7/12/2007
SBC_IC2_GRAB *Dilution:* N	358.88146 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/6/2008
SAA_2PT_IC2_GRAB *Dilution:* N	351.57081 µeq/L *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/18/2008
IONRATIO_2PT_IC2_GRAB *Dilution:* N	0.97963 *Recovery:* N	Detected and Quantified *Correction:* N	F	Actual			2/18/2008

Activity: 06043010000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11 °C	Detected and Quantified	F	Actual				4/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT33 **Visit Date:** 7/27/2006 2:00 PM
Visit Comment: JOHN WILLIAMS // Earthmoving equipment nearby // Cloudy, 20% chance of showers Seasonal/scattered thunderstorms

Activity: 060727140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.18	Detected and Quantified	F	Actual				8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	620.49453 µeq/L	Detected and Quantified	F	Actual				8/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	67.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	571.77046 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/24/2007				
Dilution: Y	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	100.48406 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	22.01162 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	15.39847 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	112.996 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/19/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_Grab	53.30439 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/19/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	15.90177 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/19/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	709.67111 µeq/L	Detected and Quantified	F	Actual			2/6/2008	
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	689.74119 µeq/L	Detected and Quantified	F	Actual			2/18/2008	
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.97192	Detected and Quantified	F	Actual			2/18/2008	
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06072714000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	20 °C	Detected and Quantified	F	Actual				7/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds

Project ID: VTSSS **Station ID:** VT33 **Visit Date:** 10/28/2006 2:00 PM

Visit Comment: JOHN WILLIAMS //There were many black vultures next to the stream-although no sign of a dead animal //Balmy & breezy, 55 F
Rain the night before 1" + or -

Activity: 061028140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.8528	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.96	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Metrohm_Grab	137.8459 µeq/L	Detected and Quantified	F	Actual			11/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
ANC_Manual_Grab	126.88912 µeq/L	Detected and Quantified	F	Actual			11/16/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	24.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	11/2/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	150.3354 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	45.74235 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	18.2362 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	14.816 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	83.05 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	66.06733 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	17.55331 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	229.13645 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	210.55026 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.91889	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	221.50704 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

IONRATIO_MET_IC2_GRAB	0.9667	Detected and Quantified	F	Actual				4/23/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06102814000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10 °C	Detected and Quantified	F	Actual				10/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT34 **Visit Date:** 1/29/2005 2:00 PM
Visit Comment: JOHN WILLIAMS // // Snow showers, cold Snow showers, cold

Activity: 050129140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.58	Detected and Quantified	F	Actual				2/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	32.8 µeq/L	Detected and Quantified	F	Actual				2/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	14.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/1/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	57.884 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	34.978 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	18.4 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	9.318 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	76.128 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_IC_Grab	1.417 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_IC_Grab	65.312 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_IC_Grab	17.456 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_AA_GRAB	120.58 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC1_GRAB	116.985 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC1_AA_GRAB	0.97019	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 05012914000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	0.5 °C	Detected and Quantified	F	Actual				1/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds

Project ID: VTSSS **Station ID:** VT34 **Visit Date:** 4/24/2005 2:00 PM

Visit Comment: JOHN WILLIAMS // Hikers upstream // 45 F Showers/seasonal

Activity: 050424140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.69	Detected and Quantified	F	Actual				4/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	35.4 µeq/L	Detected and Quantified	F	Actual				5/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	15.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/27/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_AA_Grab	66.117 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	37.529 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	19.271 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	10.752 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	76.128 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Present <QL	*Present <QL	F	Actual	0.201 ueq/L	0.639 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.467.							
SO4_IC_Grab	69.41 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	16.582 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	133.669 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	121.812 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.9113	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05042414000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9.5 °C	Detected and Quantified	F	Actual				4/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT34 **Visit Date:** 7/25/2005 2:15 PM
Visit Comment: JOHN WILLIAMS // // Hot & hazy Hot & hazy

Activity: 050725141501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.75	Detected and Quantified	F	Actual				7/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	80.4 µeq/L	Detected and Quantified	F	Actual				8/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/28/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	87.974 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	48.639 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	22.272 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	13.107 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	99.467 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.048.												
SO4_IC_Grab	53.102 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	15.425 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	171.992 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	149.0275 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.86648	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05072514150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	22 °C	Detected and Quantified	F	Actual				7/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT34 **Visit Date:** 10/30/2005 12:23 PM
Visit Comment: JOHN WILLIAMS // N/A. Gate was open for hunters. // Sunny, seasonal, 16C Seasonal/showers

Activity: 051030122301 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.84	Detected and Quantified	F	Actual				11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	73.66278 µeq/L	Detected and Quantified	F	Actual				12/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	87.06214 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	48.52887 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	19.85696 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	10.48998 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	89.906 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	63.39367 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	15.18512 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	165.94445 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	152.28207 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.91767	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05103012230F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8 °C	Detected and Quantified	F	Actual				10/30/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds

Project ID: VTSSS **Station ID:** VT34 **Visit Date:** 1/28/2006 4:00 PM

Visit Comment: JOHN WILLIAMS // // 60 degrees & sunny. Unseasonably warm, showers.

Activity: 060128160001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.39	Detected and Quantified	F	Actual				2/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	28.61062 µeq/L	Detected and Quantified	F	Actual			2/17/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	14.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	2/6/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	61.06988 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	35.9018 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	17.40681 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	9.7031 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	73.671 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	68.66101 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	17.15776 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	124.08809 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	114.46989 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.92249	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06012816000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6.5 °C	Detected and Quantified	F	Actual				1/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT34 **Visit Date:** 4/30/2006 10:30 AM
Visit Comment: JOHN WILLIAMS // // Cool, overcast Showers last weekend, but sunny & cool the rest of the week

Activity: 060430103001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.74	Detected and Quantified	F	Actual				5/4/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	46.89755 µeq/L	Detected and Quantified	F	Actual				5/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	16 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/4/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	71.47257 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	38.76636 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	19.10374 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	10.04337 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	78.983 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L						
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L			
Dilution: N	*Recovery:* N	*Correction:* N							
SO4_Ions_Grab	62.05177 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/13/2007	
Dilution: N	*Recovery:* N	*Correction:* N							
Cl_Ions_Grab	17.01819 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/13/2007	
Dilution: N	*Recovery:* N	*Correction:* N							
SBC_IC2_GRAB	139.39254 µeq/L	Detected and Quantified	F	Actual				2/6/2008	
Dilution: N	*Recovery:* N	*Correction:* N							
SAA_2PT_IC2_GRAB	126.00801 µeq/L	Detected and Quantified	F	Actual				2/18/2008	
Dilution: N	*Recovery:* N	*Correction:* N							
IONRATIO_2PT_IC2_GRAB	0.90398	Detected and Quantified	F	Actual				2/18/2008	
Dilution: N	*Recovery:* N	*Correction:* N							

Activity: 060430103001 **Activity Type:** Quality Control Sample-Field Replicate **Activity Depth:** **Relative Depth:** **Replicate #:** 1

Custody ID: **Person(s):** **QC Sample?:** Yes

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.76	Detected and Quantified	F	Actual				5/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	46.89755 µeq/L	Detected and Quantified	F	Actual				5/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	16.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	71.87661 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	38.86435 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	19.1224 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	10.00543 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	78.767 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	64.17477 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	16.98791 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	139.87529 µeq/L	Detected and Quantified	F	Actual			3/19/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	128.10073 µeq/L	Detected and Quantified	F	Actual			3/19/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.91582	Detected and Quantified	F	Actual			3/19/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06043010300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11 °C	Detected and Quantified	F	Actual				4/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT34 **Visit Date:** 7/27/2006 12:15 PM
Visit Comment: JOHN WILLIAMS // // Cloudy, 20% chance of showers Seasonal/scattered thunderstorms

Activity: 060727121501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.41	Detected and Quantified	F	Actual				8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	83.55192 µeq/L	Detected and Quantified	F	Actual				8/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	18.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	8/10/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	92.34516 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	48.38115 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	19.14254 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	11.38932 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	96.878 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	48.35459 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	14.85163 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	171.26467 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	146.79864 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.85714	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06072712150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	19.5 °C	Detected and Quantified	F	Actual				7/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT34 **Visit Date:** 10/28/2006 2:38 PM
Visit Comment: JOHN WILLIAMS //Lots of hikers enjoying the
color //Breezy & sunny
Heavy rain the day before

Activity: 061028143801 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.411	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.59	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	42.45584 µeq/L	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	36.1665 µeq/L	Detected and Quantified	F	Actual				11/16/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	74.49131 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	40.10561 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	18.00867 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	14.16682 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	77.605 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_Grab	79.36779 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	17.16579 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	146.77891 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	132.74058 µeq/L	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.90436	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_MET_IC2_GRAB	139.02992 µeq/L	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_MET_IC2_GRAB	0.94721	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06102814380F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10 °C	Detected and Quantified	F	Actual				10/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: VTSSS **Station ID:** VT36 **Visit Date:** 1/31/2005 10:45 AM
Visit Comment: SHANE SPITZER // // Cold, snow Cold, sunny

Activity: 050131104501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.4	Detected and Quantified	F	Actual				2/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	-1.7 µeq/L	Detected and Quantified	F	Actual			2/26/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	17.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	2/3/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	28.243 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	43.372 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	19.184 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	25.523 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	85.009 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	2.818 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	94.515 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	20.924 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	35.296 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/11/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	116.322 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	116.557 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	1.00202	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05013110450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	1.2 °C	Detected and Quantified	F	Actual				1/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0501311045S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Non-detect	*Non-detect	F	Actual	0.172339614 mg/l	0.548039971 mg/l		4/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.1.												
Non-filterable Residue	*Non-detect	*Non-detect	F	Actual	0.179602815 mg/l	0.571136951 mg/l		4/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of -0.1.												

Organization: Shenandoah National Park
Project ID: VTSSS **Station ID:** VT36 **Visit Date:** 4/28/2005 9:25 AM
Visit Comment: SHANE SPITZER // // Cool, sunny

Activity: 050428092501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.52	Detected and Quantified	F	Actual				5/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-1.3 µeq/L	Detected and Quantified	F	Actual				5/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/5/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_AA_Grab	26.148 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	39.669 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	20.14 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	27.162 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	74.285 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	92.165 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	21.15 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	28.253 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/25/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	113.119 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	112.1155 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.99113	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05042809250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8.7 °C	Detected and Quantified	F	Actual				4/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 050428092S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Present <QL	*Present <QL	F	Actual	0.172339614 mg/l	0.548039971 mg/l		7/18/2005				
Dilution: N *Recovery:* N *Correction:* N												
Result Comment: Reported value of 0.40282.												
Non-filterable Residue	*Present <QL	*Present <QL	F	Actual	0.179602815 mg/l	0.571136951 mg/l		7/18/2005				
Dilution: N *Recovery:* N *Correction:* N												
Result Comment: Reported value of 0.30211.												

Organization: Shenandoah National Park
Project ID: VTSSS **Station ID:** VT36 **Visit Date:** 7/29/2005 11:00 AM
Visit Comment: SHANE SPITZER // Dam has been built here creating a pool - water sample collection site OK though. // Hot, sunny Some thunderstorms

Activity: 050729110001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.53	Detected and Quantified	F	Actual				8/12/2005				
Dilution: N *Recovery:* N *Correction:* N												
ANC_Manual_Grab	0.3 µeq/L	Detected and Quantified	F	Actual				8/15/2005				
Dilution: N *Recovery:* N *Correction:* N												
Cond_VWR_Manual_Grab	15.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/12/2005				
Dilution: N *Recovery:* N *Correction:* Y												
Ca_AA_Grab	22.804 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N *Recovery:* N *Correction:* N												
Mg_AA_Grab	33.908 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N *Recovery:* N *Correction:* N												
Na_AA_Grab	21.402 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N *Recovery:* N *Correction:* N												

K_AA_Grab	29.824 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	103.551 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	7.213 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	74.339 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	21.545 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	18.958 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/26/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	107.938 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	103.397 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.95793	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05072911000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	20 °C	Detected and Quantified	F	Actual				7/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0507291100S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Non-detect	*Non-detect	F	Actual	0.172339614 mg/l	0.548039971 mg/l		9/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Result Comment: Reported value of 0.15.

Non-filterable Residue	*Present <QL	*Present <QL	F	Actual	0.179602815 mg/l	0.571136951 mg/l		9/28/2005			
Dilution: N	*Recovery:* N	*Correction:* N									
Result Comment: Reported value of 0.2.											

Organization: Shenandoah National Park
Project ID: VTSSS **Station ID:** VT36 **Visit Date:** 10/26/2005 1:05 PM
Visit Comment: JIM ATKINSON // Hydrolab data: pH-6.17, DO-11.95, cond-13.3 // Partly cloudy, mid 50's, breezy Three rain days within the past week: 10/21, 10/22, 10/25

Activity: 051026130501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.53	Detected and Quantified	F	Actual				10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	0.37553 µeq/L	Detected and Quantified	F	Actual				12/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	15.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	23.20292 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	34.04215 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	20.54912 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	30.10959 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	95.749 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	84.61927 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	21.43486 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	21.135 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	107.91028 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	106.47016 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.98665	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05102613050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9.4 °C	Detected and Quantified	F	Actual				10/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0510261305S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Non-detect	*Non-detect	F	Actual	0.172339614 mg/l	0.548039971 mg/l		1/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.1.												
Non-filterable Residue	*Non-detect	*Non-detect	F	Actual	0.179602815 mg/l	0.571136951 mg/l		1/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of -0.15.												

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park

Project ID: VTSSS **Station ID:** VT36 **Visit Date:** 1/26/2006 8:40 AM

Visit Comment: JIM ATKINSON // // Sunny, clear, windy, cold, mid 40's daytime high. Mix of sun, clouds, warm & cold days, rain Sunday night & Tuesday night, but light.

Activity: 060126084001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.33	Detected and Quantified	F	Actual				2/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-3.82946 µeq/L	Detected and Quantified	F	Actual				2/16/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/6/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	29.73929 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	45.77128 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	19.32238 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	27.24967 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	80.062 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	2.20712 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	100.3678 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	22.06254 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_Grab	42.712 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		6/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	122.08912 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC2_GRAB	120.808 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.98951	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06012608400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4 °C	Detected and Quantified	F	Actual				1/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0601260840S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Non-detect	*Non-detect	F	Actual	0.172339614 mg/l	0.548039971 mg/l		3/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.1.												
Non-filterable Residue	*Non-detect	*Non-detect	F	Actual	0.179602815 mg/l	0.571136951 mg/l		3/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.05.												

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park

Project ID: VTSSS **Station ID:** VT36 **Visit Date:** 4/26/2006 8:50 AM

Visit Comment: JIM ATKINSON // Several stream crossings but not a heavily used area during the week. // Partly cloudy, cool. Rain during the evening of 4/25/06; rain most of the day 4/22/06.

Activity: 060426085001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.59	Detected and Quantified	F	Actual				5/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	0.31673 µeq/L	Detected and Quantified	F	Actual				5/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	16.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	25.60852 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	38.18763 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	20.48898 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	31.69294 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	78.003 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	87.32662 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	22.028 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

T_AL_TC_Grab	22.182 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l			6/21/2007			
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	115.98457 µeq/L	Detected and Quantified	F	Actual					2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC2_GRAB	109.71185 µeq/L	Detected and Quantified	F	Actual					2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.94592	Detected and Quantified	F	Actual					2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06042608500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12 °C	Detected and Quantified	F	Actual				4/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0604260850S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Non-detect	*Non-detect	F	Actual	0.172339614 mg/l	0.548039971 mg/l		7/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.1.												
Non-filterable Residue	*Present <QL	*Present <QL	F	Actual	0.179602815 mg/l	0.571136951 mg/l		7/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.25.												

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park

Project ID: VTSSS **Station ID:** VT36 **Visit Date:** 7/27/2006 8:30 AM

Visit Comment: JIM ATKINSON // // Hot, humid, partly cloudy. Hot, humid, clouds, some rain late last week and over the weekend.

Activity: 060727083001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.52	Detected and Quantified	F	Actual				8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	0.37553 µeq/L	Detected and Quantified	F	Actual				8/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	16.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	25.62772 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	37.35988 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	21.26405 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	29.53344 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	100.347 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	78.09184 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	21.7485 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_Grab	22.51 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	113.79159 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC2_GRAB	100.25637 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.88105	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06072708300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	20 °C	Detected and Quantified	F	Actual				7/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 060727083OS1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Present <QL	*Present <QL	F	Actual	0.172339614 mg/l	0.548039971 mg/l		10/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.3.												
Non-filterable Residue	*Non-detect	*Non-detect	F	Actual	0.179602815 mg/l	0.571136951 mg/l		10/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.1.												

NPSTORET Results with Comments

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Organization: Shenandoah National Park
Project ID: VTSSS **Station ID:** VT36 **Visit Date:** 10/25/2006 9:27 AM
Visit Comment: DAVID DEMAREST
// //Cloudy

Activity: 061025092701 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	5.3916	Detected and Quantified	F	Actual				10/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	5.46	Detected and Quantified	F	Actual				10/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	0.5675 µeq/L	Detected and Quantified	F	Actual				10/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-1.38591 µeq/L	Detected and Quantified	F	Actual				10/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/27/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	25.53332 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	40.592 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	19.98405 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	29.33574 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	94.139 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	91.51987 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	21.78474 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	8.849 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	115.45161 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	111.9592 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.96975	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	113.91261 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.98667	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 061025092701 **Activity Type:** Quality Control Sample-Field Replicate **Activity Depth:** **Relative Depth:** **Replicate #:** 1

Custody ID: **Person(s):** **QC Sample?:** Yes

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	5.4012	Detected and Quantified	F	Actual				10/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	5.46	Detected and Quantified	F	Actual				10/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	0.73452 µeq/L	Detected and Quantified	F	Actual				10/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-1.38591 µeq/L	Detected and Quantified	F	Actual				10/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/27/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	25.55461 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	40.63932 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	19.93099 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	29.30824 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	93.906 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	0.15388 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	91.3137 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	21.75626 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	7.6 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	115.58704 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	111.72455 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.96658	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	113.84498 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.98493	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Activity: 06102509270F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8.5 °C	Detected and Quantified	F	Actual				10/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0610250927S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Present <QL	*Present <QL	F	Actual	0.172339614 mg/l	0.548039971 mg/l		3/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.35.												
Non-filterable Residue	*Non-detect	*Non-detect	F	Actual	0.179602815 mg/l	0.571136951 mg/l		3/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.1.												

Activity: 0610250927S1 **Activity Type:** Quality Control Sample-Field Replicate **Activity Depth:** **Relative Depth:** **Replicate #:** 1
Custody ID: **Person(s):** **QC Sample?:** Yes

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Non-detect	*Non-detect	F	Actual	0.172339614 mg/l	0.548039971 mg/l		3/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of -0.10121.												
Non-filterable Residue	*Non-detect	*Non-detect	F	Actual	0.179602815 mg/l	0.571136951 mg/l		3/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.												

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT37 **Visit Date:** 1/26/2005 9:30 AM
Visit Comment: JOE EMSWILER // // Cool, overcast, temp. 33-35 F Cool, snowy wintry mix, 1-2 inches of snow

Activity: 050126093001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.26	Detected and Quantified	F	Actual				2/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	17.8 µeq/L	Detected and Quantified	F	Actual				2/20/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	15.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/1/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	39.471 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	50.203 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	21.358 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	14.515 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	71.994 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	14.554 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	74.568 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	14.269 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	125.547 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	121.191 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

IONRATIO_2PT_IC1_AA_GRAB	0.9653	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05012609300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	1 °C	Detected and Quantified	F	Actual				1/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT37 **Visit Date:** 4/25/2005 8:15 AM
Visit Comment: T. SLATER // // Cool, mostly cloudy Cool, rainfall near normal, but no significant rain in past 48 hours

Activity: 050425081501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.3	Detected and Quantified	F	Actual				4/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	20.3 µeq/L	Detected and Quantified	F	Actual				5/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/28/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	44.66 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	55.306 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	23.186 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	17.331 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	71.961 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_IC_Grab	16.454 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	76.253 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	14.692 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	140.483 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	127.699 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.909	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05042508150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6 °C	Detected and Quantified	F	Actual				4/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds

Project ID: VTSSS **Station ID:** VT37 **Visit Date:** 7/25/2005 1:10 PM

Visit Comment: T. SLATER // // Hot & humid, partly cloudy Isolated T-storms, but mostly fair

Activity: 050725131001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.39	Detected and Quantified	F	Actual				7/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	32.8 µeq/L	Detected and Quantified	F	Actual				8/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/28/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_AA_Grab	43.413 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	53.33 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	24.534 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	20.787 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	81.589 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	18.129 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	71.926 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	14.156 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	142.064 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	137.011 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.96443	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05072513100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18 °C	Detected and Quantified	F	Actual				7/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

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Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT37 **Visit Date:** 10/28/2005 8:30 AM
Visit Comment: BUDDIE CHANDLER, JOE EMSWILER // Leaves falling in stream // Overcast, low-mid 50's, calm winds Cool, scattered snow showers, light rain

Activity: 051028083001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.39	Detected and Quantified	F	Actual				11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	28.66726 µeq/L	Detected and Quantified	F	Actual				12/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	16.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	43.98512 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	57.67222 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	26.25877 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	17.48487 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	80.527 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	4.79532 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	70.09092 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	16.17429 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	145.40748 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	119.72779 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.82339	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05102808300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8 °C	Detected and Quantified	F	Actual				10/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT37 **Visit Date:** 1/26/2006 8:20 AM
Visit Comment: WAGGY & CHANDLER // // Cold & snow flurries. Temp. 50's.

Activity: 060126082001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.26	Detected and Quantified	F	Actual				2/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	16.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/6/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	40.93448 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	51.65591 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	20.84371 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	15.5676 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	70.235 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NH4_Ions_Grab	0.21378 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	15.77738 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	74.94225 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	14.79986 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	129.21548 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	88.51781 µeq/L	Detected and Quantified	F	Actual			5/13/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.68504	Detected and Quantified	F	Actual			5/13/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06012608200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	5 °C	Detected and Quantified	F	Actual				1/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT37 **Visit Date:** 4/25/2006 2:45 PM
Visit Comment: B. CHANDLER, N. BROCE, M. HARVEY // // Sunny 3/4 - 1" rain on 4/22; otherwise warm and dry

Activity: 060425144501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.35	Detected and Quantified	F	Actual				5/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	21.16801 µeq/L	Detected and Quantified	F	Actual				5/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	16.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	5/2/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	43.44293 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	53.90327 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	22.71143 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	18.09843 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	75.148 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	70.45432 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	15.29785 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	138.16256 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	106.96068 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.77417	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06042514450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12 °C	Detected and Quantified	F	Actual				4/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT37 **Visit Date:** 7/28/2006 9:15 AM
Visit Comment: // Hiking trail runs along length of stream. // Sunny, clear skies. Hot, some scattered showers, low temp.- in high 60's, high temp.- high 80's to low 90's.

Activity: 060728091501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.41	Detected and Quantified	F	Actual				8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	34.21876 µeq/L	Detected and Quantified	F	Actual				8/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	45.31094 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	57.04265 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	24.13526 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	21.55941 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	84.179 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	8.74233 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	61.27544 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	14.70402 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	148.05476 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC2_GRAB	118.94055 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.80336	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06072809150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	17.8 °C	Detected and Quantified	F	Actual				7/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT37 **Visit Date:** 10/25/2006 8:00 AM
Visit Comment: // //Cool, breezy, partly cloudy
Cool, no significant precip.

Activity: 061025080001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.3079	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.35	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	32.03882 µeq/L	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	29.51735 µeq/L	Detected and Quantified	F	Actual				11/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	16.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	40.63363 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	52.13457 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	23.38206 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	16.71373 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	87.548 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	6.97451 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	74.68076 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	15.3217 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	132.87049 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	126.49432 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.95201	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	129.01579 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.97099	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06102508000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8.9 °C	Detected and Quantified	F	Actual				10/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT38 **Visit Date:** 1/28/2005 2:28 PM
Visit Comment: JASON HALLACHER // // Sunny, 25 F Partly sunny, cold

Activity: 050128142801 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.58	Detected and Quantified	F	Actual				2/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	45.3 µeq/L	Detected and Quantified	F	Actual				2/23/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	24.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/2/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	77.245 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	76.21 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	33.234 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	15.872 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	78.435 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	6.038 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_IC_Grab	123.906 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_IC_Grab	15.989 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_AA_GRAB	202.561 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC1_GRAB	191.233 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC1_AA_GRAB	0.94408	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 05012814280F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	2 °C	Detected and Quantified	F	Actual				1/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT38 **Visit Date:** 5/2/2005 4:25 PM
Visit Comment: JASON HALLACHER // // Sunny Sunny

Activity: 050502162501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.77	Detected and Quantified	F	Actual				5/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	47.8 µeq/L	Detected and Quantified	F	Actual				5/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	23.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/10/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	74.9 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_AA_Grab	73.247 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	34.496 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	18.944 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	76.792 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	3.574 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	119.434 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	15.933 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	201.587 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	186.741 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.92635	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05050216250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9 °C	Detected and Quantified	F	Actual				5/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT38 **Visit Date:** 7/28/2005 4:00 PM
Visit Comment: PAUL BUGAS // // Rainy, cool Very hot, dry

Activity: 050728160001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.55	Detected and Quantified	F	Actual				8/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	105.4 µeq/L	Detected and Quantified	F	Actual				8/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	28.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/4/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	95.109 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	88.308 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	37.28 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	26.829 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	82.934 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	20.769 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	92.976 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	15.454 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	247.526 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	234.599 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

IONRATIO_2PT_IC1_AA_GRAB	0.94778	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05072816000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	21 °C	Detected and Quantified	F	Actual				7/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT38 **Visit Date:** 10/31/2005 11:24 AM
Visit Comment: PAUL BUGAS // // Beautiful, warm, fair skies Dry, cool

Activity: 051031112401 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.71	Detected and Quantified	F	Actual				11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	76.10522 µeq/L	Detected and Quantified	F	Actual				12/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	27.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	95.56808 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	91.13374 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	40.49773 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	21.1515 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	78.817 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N						
NO3_Ions_Grab	1.36427 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_Grab	110.35842 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	18.19586 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	248.35755 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	206.02377 µeq/L	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.82955	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 05103111240F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10 °C	Detected and Quantified	F	Actual				10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT38 **Visit Date:** 1/25/2006 9:50 AM
Visit Comment: JASON HALLACHER // // Cloudy, snowy. Warm & sunny w/good amount of rain.

Activity: 060125095001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.48	Detected and Quantified	F	Actual				2/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	38.66625 µeq/L	Detected and Quantified	F	Actual				2/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	23.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	2/3/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	77.21644 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	76.049 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	33.02506 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	17.61792 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	74.119 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	0.15342 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	122.03678 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	17.11195 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	204.06184 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	177.85548 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.87158	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06012509500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4 °C	Detected and Quantified	F	Actual				1/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT38 **Visit Date:** 4/24/2006 3:55 PM
Visit Comment: JASON HALLACHER // // Bright and sunny, 75F Sunny, warm, w/thundershowers

Activity: 060424155501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.7	Detected and Quantified	F	Actual				4/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	46.89755 µeq/L	Detected and Quantified	F	Actual				5/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	24.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/26/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	75.77147 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	76.81531 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	34.37969 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	20.34 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	82.801 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	91.13311 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	17.85129 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	207.31297 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC2_GRAB	155.92245 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.75211	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06042415550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12 °C	Detected and Quantified	F	Actual				4/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT38 **Visit Date:** 7/31/2006 9:45 AM
Visit Comment: MATT HENDERSON // // Hazy and humid Hazy, hot, humid w/evening T-storms

Activity: 060731094501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.81	Detected and Quantified	F	Actual				8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	99.21086 µeq/L	Detected and Quantified	F	Actual				8/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	27.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	97.19064 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	93.00493 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	37.89932 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_Grab	26.12381 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	85.573 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	79.1338 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	16.59187 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	254.2252 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	194.97703 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.76695	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06073109450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18 °C	Detected and Quantified	F	Actual				7/31/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT38 **Visit Date:** 10/31/2006 9:30 AM
Visit Comment: JASON HALLACHER
// //Sunny, 60 F
Cold with about an inch of rain over the weekend

Activity: 061031093001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.5753	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.6	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	70.90046 µeq/L	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	56.10748 µeq/L	Detected and Quantified	F	Actual				12/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	24.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	77.31939 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	77.25689 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	33.15599 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	19.70965 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	84.112 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	2.98841 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	119.13733 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	17.45213 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	207.44842 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	195.68535 µeq/L	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.9433	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_MET_IC2_GRAB	210.47833 µeq/L	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_MET_IC2_GRAB	1.01461	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06103109300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9 °C	Detected and Quantified	F	Actual				10/31/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT39 **Visit Date:** 1/27/2005 9:30 AM
Visit Comment: KENNETH HICKMAN // // Clear Rain, snow

Activity: 050127093001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.07	Detected and Quantified	F	Actual				1/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-8.1 µeq/L	Detected and Quantified	F	Actual				2/20/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	12.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	1/31/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	10.579 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	19.011 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	15.094 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	13.798 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	71.247 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Present <QL	*Present <QL	F	Actual	0.201 ueq/L	0.639 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.29.							
SO4_IC_Grab	56.326 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	15.2 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	78.896 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
O_AL_TC_Grab	12.877 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	5/23/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	58.482 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	63.846 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	1.09172	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05012709300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4 °C	Detected and Quantified	F	Actual				1/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT39 **Visit Date:** 4/25/2005 11:10 AM
Visit Comment: K. HICKMAN // // Cool, partly cloudy, 60's Rain, 80 degrees first part, cold & rainy weekend with snow flurries

Activity: 050425111001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.11	Detected and Quantified	F	Actual				5/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-7.2 µeq/L	Detected and Quantified	F	Actual				5/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	13 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/2/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	11.277 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	18.847 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	15.486 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	15.232 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	67.296 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.064.												

SO4_IC_Grab	57.179 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	14.128 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	71.999 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/25/2006
Dilution: N	*Recovery:* N	*Correction:* N					
O_AL_TC_Grab	12.966 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	5/23/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	60.842 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	64.2075 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	1.05532	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05042511100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9 °C	Detected and Quantified	F	Actual				4/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT39 **Visit Date:** 7/27/2005 10:05 AM
Visit Comment: KENNETH HICKMAN // // Highs mid 90's; scattered clouds; humidity 50%+ Highs mid to upper 80's with scattered showers

Activity: 050727100501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.08	Detected and Quantified	F	Actual				8/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-8 µeq/L	Detected and Quantified	F	Actual				8/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	11.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	8/4/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	9.232 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	15.884 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	17.226 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	13.978 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	83.083 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Present <QL	*Present <QL	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.564.							
SO4_IC_Grab	46.758 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	15.2 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	46.286 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/26/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	56.32 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	54.378 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.96552	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05072710050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	19 °C	Detected and Quantified	F	Actual				7/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT39 **Visit Date:** 10/24/2005 12:55 PM
Visit Comment: H. HUFFMAN // // Drizzly, cool Showers last week, cooling down

Activity: 051024125501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.18	Detected and Quantified	F	Actual				10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-7.12366 µeq/L	Detected and Quantified	F	Actual				11/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	11.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	10.49478 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	15.67131 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	16.0487 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	16.41081 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	80.112 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	50.81088 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	15.79461 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	40.744 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	58.6321 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	59.52233 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	1.01518	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05102412550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12 °C	Detected and Quantified	F	Actual				10/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT39 **Visit Date:** 1/25/2006 10:12 AM
Visit Comment: K. HICKMAN // //

Activity: 060125101201 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	4.88	Detected and Quantified	F	Actual				2/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-13.14478 µeq/L	Detected and Quantified	F	Actual				2/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	14.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	2/3/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	11.28389 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	19.44396 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	14.84529 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	13.52646 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	65.437 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	0.15807 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	64.31624 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	16.62002 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	112.639 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
O_AL_TC_Grab	15.004 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	59.25767 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	67.83198 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	1.1447	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06012510120F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	3 °C	Detected and Quantified	F	Actual				1/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT39 **Visit Date:** 4/25/2006 2:10 PM
Visit Comment: JASON R. HERRON // // Sunny, warm Thunderstorms on Thursday & Saturday

Activity: 060425141001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.1	Detected and Quantified	F	Actual				5/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-7.18256 µeq/L	Detected and Quantified	F	Actual				5/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	11.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	10.45445 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	16.42404 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	16.50914 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	16.56859 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	70.832 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	0.129 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_Grab	51.02309 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	14.70931 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N						
T_AL_TC_Grab	39.389 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		6/21/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	60.08522 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	58.59034 µeq/L	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.97512	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06042514100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	15 °C	Detected and Quantified	F	Actual				4/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT39 **Visit Date:** 7/24/2006 12:15 PM
Visit Comment: H. HUFFMAN // // Hot, humid Hard to severe T-storms, lots of rain

Activity: 060724121501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.32	Detected and Quantified	F	Actual				8/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-2.63358 µeq/L	Detected and Quantified	F	Actual				8/22/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	9.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	8/9/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	9.03877 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	13.69888 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	15.85241 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	13.91485 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	87.1 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	37.33153 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	15.62701 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	32.677 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	52.51141 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	50.36546 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.95913	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06072412150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	19 °C	Detected and Quantified	F	Actual				7/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT39 **Visit Date:** 10/25/2006 1:25 PM
Visit Comment: H. HUFFMAN //
//Cool, clear
Cold, windy

Activity: 061025132501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	5.0038	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	4.96	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	-7.46458 µeq/L	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-10.47861 µeq/L	Detected and Quantified	F	Actual				11/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	13.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	10.51615 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	17.62767 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	15.59675 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_Grab	14.11548 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	73.654 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	0.21809 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	57.60357 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	16.27485 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	89.151 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
O_AL_TC_Grab	16.083 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	58.07414 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	63.44031 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	1.0924	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	66.45434 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	1.1443	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06102513250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9 °C	Detected and Quantified	F	Actual				10/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT40 **Visit Date:** 1/27/2005 11:10 AM
Visit Comment: KENNETH HICKMAN // Mountain bike trial // Clear Freezing rain, snow

Activity: 050127111001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.93	Detected and Quantified	F	Actual				1/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	10.3 µeq/L	Detected and Quantified	F	Actual				2/20/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	10.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/31/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	15.918 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	25.678 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	20.749 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	18.202 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	71.861 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.048.												
SO4_IC_Grab	52.562 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	15.397 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_Grab	5.674 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		4/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_AA_GRAB	80.547 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	78.3595 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.97284	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05012711100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4 °C	Detected and Quantified	F	Actual				1/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT40 **Visit Date:** 4/25/2005 9:45 AM
Visit Comment: K. HICKMAN // // Partly cloudy to mostly cloudy, mid 60's for high Warm, in low 80's until weekend cold rainy, snow flurries

Activity: 050425094501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.08	Detected and Quantified	F	Actual				5/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	10.3 µeq/L	Detected and Quantified	F	Actual				5/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	11.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/2/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	15.519 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	24.855 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	22.098 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_AA_Grab	20.71 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	73.936 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.064.							
SO4_IC_Grab	54.205 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	15.482 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	83.182 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	80.0875 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.9628	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05042509450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9 °C	Detected and Quantified	F	Actual				4/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT40 **Visit Date:** 7/27/2005 8:45 AM
Visit Comment: KENNETH HICKMAN // // Highs mid 90's; scattered clouds; humidity 50%+ Highs mid to upper 80's with scattered showers

Activity: 050727084501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.06	Detected and Quantified	F	Actual				8/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	17.8 µeq/L	Detected and Quantified	F	Actual			8/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	11.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	8/4/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	15.918 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	25.348 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	20.662 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	24.934 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	92.379 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	1.175 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	47.611 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	16.13 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	86.862 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	82.716 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.95227	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05072708450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	19 °C	Detected and Quantified	F	Actual				7/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT40 **Visit Date:** 10/24/2005 2:10 PM
Visit Comment: H. HUFFMAN // // Drizzly, cool Showers last week, cooling down

Activity: 051024141001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.18	Detected and Quantified	F	Actual				10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	15.31531 µeq/L	Detected and Quantified	F	Actual				11/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	11.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	15.09254 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	24.79242 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	23.47503 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	23.5532 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	87.714 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	51.73576 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	16.45074 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	86.91969 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC2_GRAB	83.54231 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.96114	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05102414100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12 °C	Detected and Quantified	F	Actual				10/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT40 **Visit Date:** 1/25/2006 8:34 AM
Visit Comment: K. HICKMAN // // Partly cloudy, windy, 34 F, snow flurries AM. Mostly sunny with two days of rain.

Activity: 060125083401 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.89	Detected and Quantified	F	Actual				2/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	9.35322 µeq/L	Detected and Quantified	F	Actual				2/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	11.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	16.59398 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	27.43467 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	20.36904 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_Grab	19.85008 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	71.098 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	54.86887 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	16.63712 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	6.942 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	84.25427 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	80.89971 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.96019	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06012508340F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	3 °C	Detected and Quantified	F	Actual				1/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds

Project ID: VTSSS **Station ID:** VT40 **Visit Date:** 4/25/2006 12:40 PM

Visit Comment: JASON R. HERRON // Parkway uphill from Creek source, popular mnt. bike trail beside creek, and highly impacted dispersed campsite 50 yards downstream. // Sunny, warm Thunderstorms on Thursday & Saturday, clear and warm otherwise

Activity: 060425124001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.08	Detected and Quantified	F	Actual				5/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	10.31578 µeq/L	Detected and Quantified	F	Actual				5/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	10.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	14.48199 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	24.28752 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	23.4263 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	22.27507 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	80.012 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	53.72448 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	16.91555 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	84.47738 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC2_GRAB	80.99631 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.95879	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06042512400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	15.6 °C	Detected and Quantified	F	Actual				4/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT40 **Visit Date:** 7/24/2006 10:50 AM
Visit Comment: H. HUFFMAN // // Hot, humid, clear Hard to severe T-storms, lots of rain

Activity: 060724105001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.21	Detected and Quantified	F	Actual				8/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	12.16586 µeq/L	Detected and Quantified	F	Actual				8/22/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	11 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/9/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	14.67603 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	24.75206 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	23.33247 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_Grab	24.22149 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	81.888 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	47.16368 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	16.85991 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	86.98855 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	76.22995 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.87632	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06072410500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18 °C	Detected and Quantified	F	Actual				7/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT40 **Visit Date:** 10/25/2006 12:30 PM
Visit Comment: H. HUFFMAN //
//Cool, clear
Cold, windy

Activity: 061025123001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.0351	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.12	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	16.62839 µeq/L	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	11.72154 µeq/L	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	11.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	16.35305 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	27.9316 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	20.91984 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	21.46808 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	81.058 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L						
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L						
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	52.50615 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/2/2007			
Dilution: N	*Recovery:* N	*Correction:* N									
Cl_Ions_Grab	16.19494 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/2/2007			
Dilution: N	*Recovery:* N	*Correction:* N									
SBC_IC2_GRAB	86.67907 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_2PT_IC2_GRAB	80.46313 µeq/L	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_GRAB	0.92829	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_MET_IC2_GRAB	85.36998 µeq/L	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_MET_IC2_GRAB	0.9849	Detected and Quantified	F	Actual				4/23/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Activity: 061025123001 **Activity Type:** Quality Control Sample-Field Replicate **Activity Depth:** **Relative Depth:** **Replicate #:** 1

Custody ID: **Person(s):** **QC Sample?:** Yes

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.0665	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.18	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	16.59069 µeq/L	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	13.61235 µeq/L	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	11.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	16.4237 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Detect/Quant Lim Description: set 12/18/07												

Mg_Ions_Grab	27.99764 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	20.98284 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	21.52529 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	81.041 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	52.46713 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	16.22436 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	86.93597 µeq/L	Detected and Quantified	F	Actual			3/19/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	82.34434 µeq/L	Detected and Quantified	F	Actual			3/19/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.94718	Detected and Quantified	F	Actual			3/19/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	85.32268 µeq/L	Detected and Quantified	F	Actual			5/13/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.98144	Detected and Quantified	F	Actual			5/13/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06102512300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9 °C	Detected and Quantified	F	Actual				10/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT41 **Visit Date:** 1/27/2005 8:42 AM
Visit Comment: JASON HERRON // // Clear Snow, rain

Activity: 050127084201 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.78	Detected and Quantified	F	Actual				1/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	4.4 µeq/L	Detected and Quantified	F	Actual				2/20/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	12.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/31/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	28.044 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	29.628 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	16.138 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	15.334 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	71.712 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	1.385 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	65.79 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	15.736 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_Grab	15.854 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		4/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_AA_GRAB	89.144 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	87.311 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.97944	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05012708420F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	3 °C	Detected and Quantified	F	Actual				1/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT41 **Visit Date:** 4/25/2005 12:40 PM
Visit Comment: K. HICKMAN // // Partly cloudy, 60 80's first part; cold, 40's & rain weekend

Activity: 050425124001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.79	Detected and Quantified	F	Actual				5/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	4.5 µeq/L	Detected and Quantified	F	Actual				5/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	12.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/2/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	27.245 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	28.723 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	17.008 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_AA_Grab	17.792 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	69.239 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	1.047 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	65.998 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	15.454 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	16.826 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	90.768 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	86.999 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.95848	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05042512400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9 °C	Detected and Quantified	F	Actual				4/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT41 **Visit Date:** 7/27/2005 11:10 AM
Visit Comment: KENNETH HICKMAN // // Highs mid 90's; scattered clouds; humidity 50%+ Highs mid to upper 80's with scattered showers

Activity: 050727111001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.03	Detected and Quantified	F	Actual				8/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	7.8 µeq/L	Detected and Quantified	F	Actual				8/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	11.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/4/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	26.098 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	26.089 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	18.14 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	19.328 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	88.495 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	3.848 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	54.059 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	15.369 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	89.655 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	81.076 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

IONRATIO_2PT_IC1_AA_GRAB	0.90431	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05072711100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	23 °C	Detected and Quantified	F	Actual				7/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT41 **Visit Date:** 10/24/2005 11:50 AM
Visit Comment: H. HUFFMAN // // Drizzly, cool Showers last week, cooling down

Activity: 051024115001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.08	Detected and Quantified	F	Actual				10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	9.35322 µeq/L	Detected and Quantified	F	Actual				11/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	11.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	25.40024 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	25.48238 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	17.65816 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	18.44535 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	80.178 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	58.04353 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	16.30259 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	86.99263 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	83.73984 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.96261	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05102411500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12 °C	Detected and Quantified	F	Actual				10/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT41 **Visit Date:** 1/25/2006 11:40 AM
Visit Comment: K. HICKMAN // //

Activity: 060125114001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.62	Detected and Quantified	F	Actual				2/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	47.81227 µeq/L	Detected and Quantified	F	Actual				2/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	16.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	2/3/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	84.07589 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	29.70222 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	15.77324 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	15.59563 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	66.948 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	1.11527 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	70.0915 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	17.08357 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	145.15348 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	136.10261 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.93765	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06012511400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4 °C	Detected and Quantified	F	Actual				1/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT41 **Visit Date:** 4/25/2006 3:00 PM
Visit Comment: JASON R. HERRON // Hiking trail and popular swimming hole. Fecal waste right on the bank at sample site. // Sunny, warm Thunderstorms on Thursday & Saturday

Activity: 060425150001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.84	Detected and Quantified	F	Actual				5/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	67.81042 µeq/L	Detected and Quantified	F	Actual				5/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	93.931 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	30.00058 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	17.63233 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	18.896 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	70.069 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	65.36937 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	16.64307 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	160.46641 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC2_GRAB	149.86336 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.93392	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06042515000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	15 °C	Detected and Quantified	F	Actual				4/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT41 **Visit Date:** 7/24/2006 1:10 PM
Visit Comment: H. HUFFMAN // // Hot, humid Hard to severe T-storms, lots of rain

Activity: 060724131001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.83	Detected and Quantified	F	Actual				8/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	74.39462 µeq/L	Detected and Quantified	F	Actual				8/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/9/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	91.76355 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	32.40469 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	16.56332 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_Grab	18.04408 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	66.632 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	1.05436 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	57.6019 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	15.63002 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	158.78214 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	148.6809 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.93638	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06072413100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	20 °C	Detected and Quantified	F	Actual				7/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT41 **Visit Date:** 10/25/2006 2:35 PM
Visit Comment: H. HUFFMAN //
//Cool, clear
Cold, windy

Activity: 061025143501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.4326	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.52	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	39.36981 µeq/L	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	34.04402 µeq/L	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	14.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	64.71575 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	27.24257 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	15.87051 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	15.11457 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	73.787 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	64.94069 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	16.39382 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	122.9499 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	115.41903 µeq/L	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.93875	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_MET_IC2_GRAB	120.74482 µeq/L	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_MET_IC2_GRAB	0.98207	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06102514350F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8 °C	Detected and Quantified	F	Actual				10/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT42 **Visit Date:** 1/26/2005 12:45 PM
Visit Comment: JASON HERRON // // Slight rain early morning Snow

Activity: 050126124501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.7	Detected and Quantified	F	Actual				2/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	56.8 µeq/L	Detected and Quantified	F	Actual				2/20/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	13.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	2/1/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	41.716 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	24.196 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	45.022 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	8.064 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	125.529 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	10.964 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	20.738 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	19.232 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	118.998 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	107.734 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.90534	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05012612450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6 °C	Detected and Quantified	F	Actual				1/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT42 **Visit Date:** 4/26/2005 9:50 AM
Visit Comment: K. HICKMAN // // Partly cloudy, 60's for high High in low 80's, rain over weekend

Activity: 050426095001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.7	Detected and Quantified	F	Actual				5/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	60.3 µeq/L	Detected and Quantified	F	Actual				5/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	13.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/2/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	45.11 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	26.665 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	46.806 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	8.883 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	126.525 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	6.44 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	20.925 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	19.768 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	127.464 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	107.433 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

IONRATIO_2PT_IC1_AA_GRAB	0.84285	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05042609500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10 °C	Detected and Quantified	F	Actual				4/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT42 **Visit Date:** 7/25/2005 11:40 AM
Visit Comment: KENNETH HICKMAN // // Highs mid 90's; scattered clouds; humidity 50%+ Highs mid to upper 80's with scattered showers

Activity: 050725114001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.85	Detected and Quantified	F	Actual				7/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	87.9 µeq/L	Detected and Quantified	F	Actual				8/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	15.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/29/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	55.04 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	30.945 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	51.852 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	10.214 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	143.208 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_IC_Grab	7.1 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_IC_Grab	21.133 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_IC_Grab	19.063 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_AA_GRAB	148.051 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC1_GRAB	135.196 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC1_AA_GRAB	0.91317	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 05072511400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	17 °C	Detected and Quantified	F	Actual				7/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds

Project ID: VTSSS **Station ID:** VT42 **Visit Date:** 10/25/2005 10:50 AM

Visit Comment: H. HUFFMAN // // Cold, cloudy Showers, cooling down

Activity: 051025105001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.8	Detected and Quantified	F	Actual				10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	71.10578 µeq/L	Detected and Quantified	F	Actual				11/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	13.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	45.89911 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	23.77169 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	50.12425 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	8.50513 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	138.743 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	20.69284 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	19.73772 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	128.30668 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	111.57684 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.86961	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05102510500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11 °C	Detected and Quantified	F	Actual				10/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT42 **Visit Date:** 1/30/2006 10:10 AM
Visit Comment: H. HUFFMAN // // Sunny, cool

Activity: 060130101001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.68	Detected and Quantified	F	Actual				2/7/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	62.81088 µeq/L	Detected and Quantified	F	Actual				2/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	13.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/7/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	44.79711 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	25.69727 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	47.18127 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	8.1265 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	127.239 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	20.66226 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	19.58946 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	125.80865 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	103.1031 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.81952	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06013010100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8 °C	Detected and Quantified	F	Actual				1/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT42 **Visit Date:** 4/25/2006 11:30 AM
Visit Comment: K HICKMAN // // Clear, high in 70's Clear, warm, rain during weekend Friday and Saturday

Activity: 060425113001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.7	Detected and Quantified	F	Actual				5/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	61.16401 µeq/L	Detected and Quantified	F	Actual				5/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	15 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	50.63859 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	29.07883 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	48.44204 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	9.09068 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	126.857 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	2.13805 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	22.15212 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	19.22694 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	139.38819 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	102.58357 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.73596	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06042511300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12 °C	Detected and Quantified	F	Actual				4/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds

Project ID: VTSSS **Station ID:** VT42 **Visit Date:** 7/25/2006 11:30 AM

Visit Comment: H. HUFFMAN // // Steady rain, cool Hard to severe T-storms, lots of rain

Activity: 060725113001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.4	Detected and Quantified	F	Actual				8/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	114.39042 µeq/L	Detected and Quantified	F	Actual			8/23/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	17.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	8/9/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	66.94829 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	37.82563 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	56.6509 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	10.55991 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	153.799 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	4.18218 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	19.41887 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	171.99123 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	138.03197 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.80255	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Activity: 060725113001 **Activity Type:** Quality Control Sample-Field Replicate **Activity Depth:** **Relative Depth:** **Replicate #:** 1
Custody ID: **Person(s):** **QC Sample?:** Yes

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.51	Detected and Quantified	F	Actual				8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	112.8636 µeq/L	Detected and Quantified	F	Actual				8/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	66.22024 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	37.54562 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	56.64934 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	10.55359 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	152.654 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	0.31223 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	8.30776 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	19.56729 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	171.28102 µeq/L	Detected and Quantified	F	Actual				3/19/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC2_GRAB	140.77915 µeq/L	Detected and Quantified	F	Actual				3/19/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

IONRATIO_2PT_IC2_GRAB	0.82192	Detected and Quantified	F	Actual				3/19/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06072511300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18 °C	Detected and Quantified	F	Actual				7/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT42 **Visit Date:** 10/26/2006 8:00 AM
Visit Comment: H. HUFFMAN //
//Cold, clear
Cool, windy

Activity: 061026080001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.6085	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.69	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	90.69164 µeq/L	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	70.36805 µeq/L	Detected and Quantified	F	Actual				11/21/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	14.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	47.02053 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	27.86988 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Na_Ions_Grab	50.28946 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	8.29123 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	134.111 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	22.99186 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	19.75618 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	133.4776 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	113.15659 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.84776	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	133.48018 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	1.00002	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 061026080001 **Activity Type:** Quality Control Sample-Field Replicate **Activity Depth:** **Relative Depth:** **Replicate #:** 1

Custody ID: **Person(s):** **QC Sample?:** Yes

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.6356	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.78	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Metrohm_Grab	80.55294 µeq/L	Detected and Quantified	F	Actual			11/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
ANC_Manual_Grab	71.10578 µeq/L	Detected and Quantified	F	Actual			11/21/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	14.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	11/3/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	46.35562 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	27.55924 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	50.04156 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	8.27201 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	134.294 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	22.74289 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	19.71749 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	132.23493 µeq/L	Detected and Quantified	F	Actual			3/19/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	113.60666 µeq/L	Detected and Quantified	F	Actual			3/19/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.85913	Detected and Quantified	F	Actual			3/19/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	123.05382 µeq/L	Detected and Quantified	F	Actual			5/13/2008
Dilution: N	*Recovery:* N	*Correction:* N					

IONRATIO_MET_IC2_GRAB	0.93057	Detected and Quantified	F	Actual				5/13/2008					
Dilution: N	*Recovery:* N	*Correction:* N											

Activity: 06102608000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8 °C	Detected and Quantified	F	Actual				10/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT43 **Visit Date:** 1/27/2005 12:05 PM
Visit Comment: MARVIN GILBERT // // Sunny and cold Winter mix - snow/sleet/rain/cold

Activity: 050127120501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.66	Detected and Quantified	F	Actual				2/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	31.1 µeq/L	Detected and Quantified	F	Actual				2/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	9.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/2/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	31.487 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	11.933 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	37.888 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	4.992 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	100.978 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	11.066 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	17.766 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	86.3 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	60.0325 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.69563	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05012712050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	2 °C	Detected and Quantified	F	Actual				1/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT43 **Visit Date:** 4/25/2005 2:00 PM
Visit Comment: MARVIN GILBERT // // Partly cloudy Sunny, partly cloudy, rain, storms and snow showers at higher elevations on Sunday

Activity: 050425140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.26	Detected and Quantified	F	Actual				5/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	30.4 µeq/L	Detected and Quantified	F	Actual				5/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	9.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	5/2/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	33.683 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	12.839 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	38.802 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	5.581 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	98.637 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.08.							
SO4_IC_Grab	12.48 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	17.653 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	90.905 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	60.6335 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.667	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05042514000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9 °C	Detected and Quantified	F	Actual				4/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT43 **Visit Date:** 7/26/2005 1:10 PM
Visit Comment: MARVIN GILBERT // // Hot & clear Partly cloudy with a few scattered thunderstorms

Activity: 050726131001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.3	Detected and Quantified	F	Actual				8/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	64.3 µeq/L	Detected and Quantified	F	Actual				8/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	10.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/4/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	38.623 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	13.826 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	41.716 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	5.888 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	109.809 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.048.												
SO4_IC_Grab	10.358 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	17.738 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	100.053 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	92.4965 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC1_AA_GRAB	0.92448	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Activity: 050726131001 **Activity Type:** Quality Control Sample-Field Replicate **Activity Depth:** **Relative Depth:** **Replicate #:** 1

Custody ID: **Person(s):** **QC Sample?:** Yes

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.78	Detected and Quantified	F	Actual				7/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	66.9 µeq/L	Detected and Quantified	F	Actual				8/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	10.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/29/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	38.373 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	13.909 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	41.325 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	5.606 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	109.361 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.048.												
SO4_IC_Grab	10.317 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	17.907 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_AA_GRAB	99.213 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	95.2245 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.9598	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05072613100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	19 °C	Detected and Quantified	F	Actual				7/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT43 **Visit Date:** 10/26/2005 12:00 PM
Visit Comment: MARVIN GILBERT // Normal leaf litter // Partly cloudy Light rain on 10/20/05, snow showers on 10/24/05

Activity: 051026120001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.62	Detected and Quantified	F	Actual				10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	52.8699 µeq/L	Detected and Quantified	F	Actual				12/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	9.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	34.60534 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	9.92828 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	41.54518 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_Grab	5.96731 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	106.705 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	12.87947 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	17.29304 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	92.05261 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	83.08291 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.90256	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05102612000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9 °C	Detected and Quantified	F	Actual				10/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT43 **Visit Date:** 1/27/2006 12:40 PM
Visit Comment: MARVIN GILBERT // Box was lost in transit - mailed 1/30/06, received 2/8/06. // Clear Partly cloudy to rain

Activity: 060127124001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.24	Detected and Quantified	F	Actual				2/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	42.18619 µeq/L	Detected and Quantified	F	Actual				2/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	9.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/15/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	30.65595 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	11.39249 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	38.04029 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	5.04327 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	95.334 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	0.91616 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	12.5039 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	18.55011 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	86.04816 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	73.2807 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.85162	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06012712400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	5 °C	Detected and Quantified	F	Actual				1/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT43 **Visit Date:** 4/26/2006 2:30 PM
Visit Comment: MARVIN GILBERT // // Cloudy, slight drizzle Clear with scattered showers and thunderstorms, 50/50

Activity: 060426143001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.97	Detected and Quantified	F	Actual				5/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	33.87464 µeq/L	Detected and Quantified	F	Actual				5/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	10.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	40.62802 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	13.90251 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	40.60615 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	5.65679 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	102.422 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	0.68598 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	13.62648 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	17.05008 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	100.79997 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	65.23718 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.64719	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06042614300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10 °C	Detected and Quantified	F	Actual				4/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds

Project ID: VTSSS **Station ID:** VT43 **Visit Date:** 7/28/2006 3:25 PM

Visit Comment: MARVIN GILBERT // // Partly cloudy Partly cloudy with scattered storms

Activity: 060728152501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.35	Detected and Quantified	F	Actual				8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	73.5532 µeq/L	Detected and Quantified	F	Actual			8/24/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	11.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	8/10/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	44.30898 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	14.93892 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	43.70392 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	6.4678 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	112.448 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	10.42439 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	17.48112 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	109.42612 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	101.49921 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.92756	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06072815250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18 °C	Detected and Quantified	F	Actual				7/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT43 **Visit Date:** 10/26/2006 11:15 AM
Visit Comment: MARVIN GILBERT
//
Partly cloudy //Sunny

Activity: 061026111501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.5801	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.76	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	68.91801 µeq/L	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	56.89648 µeq/L	Detected and Quantified	F	Actual				12/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	9.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	34.66533 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	12.78541 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	40.84103 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_Grab	5.99949 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	105.244 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	0.52277 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	11.16745 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	17.77381 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	94.29776 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	86.36051 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.91583	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	98.38204 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	1.04331	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06102611150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	7 °C	Detected and Quantified	F	Actual				10/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT44 **Visit Date:** 1/27/2005 10:30 AM
Visit Comment: MARVIN GILBERT // // Sunny and cold Winter mix - snow/sleet/rain/cold

Activity: 050127103001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.64	Detected and Quantified	F	Actual				2/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	56.2 µeq/L	Detected and Quantified	F	Actual				2/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	14.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/2/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	50.549 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	20.657 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	49.068 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	6.374 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	124.035 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.048.												
SO4_IC_Grab	34.778 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	19.543 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	126.648 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	110.6215 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.87346	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05012710300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	3 °C	Detected and Quantified	F	Actual				1/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT44 **Visit Date:** 4/25/2005 12:35 PM
Visit Comment: MARVIN GILBERT // // Partly cloudy Sunny, partly cloudy, rain, storms and snow showers at higher elevations on Sunday

Activity: 050425123501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.26	Detected and Quantified	F	Actual				5/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	57.8 µeq/L	Detected and Quantified	F	Actual				5/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	14.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/2/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	53.293 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	21.151 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	50.808 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	7.066 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	120.732 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	35.922 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	19.204 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	132.318 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	113.0265 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.8542	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05042512350F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9 °C	Detected and Quantified	F	Actual				4/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT44 **Visit Date:** 7/26/2005 3:00 PM
Visit Comment: MARVIN GILBERT // // Hot & clear Partly cloudy with a few scattered thunderstorms

Activity: 050726150001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.75	Detected and Quantified	F	Actual				7/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	86.2 µeq/L	Detected and Quantified	F	Actual				8/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	15.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	7/29/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	59.531 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	22.55 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	56.332 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	8.294 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	138.693 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	33.509 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	18.838 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	146.707 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	138.6475 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.94506	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05072615000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	20 °C	Detected and Quantified	F	Actual				7/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT44 **Visit Date:** 10/26/2005 1:26 PM
Visit Comment: MARVIN GILBERT // Normal leaf litter // Partly cloudy Light rain on 10/20/05, snow showers on 10/24/05

Activity: 051026132601 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.25	Detected and Quantified	F	Actual				10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	54.04124 µeq/L	Detected and Quantified	F	Actual				12/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	15.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	55.25095 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	18.69002 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	55.43235 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	8.70842 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	137.431 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	34.69178 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	19.72203 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	138.08824 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	108.49555 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.7857	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05102613260F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10.5 °C	Detected and Quantified	F	Actual				10/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT44 **Visit Date:** 1/27/2006 2:10 PM
Visit Comment: MARVIN GILBERT // Box was lost in transit - mailed 1/30/06, received 2/8/06. // Clear Partly cloudy to rain

Activity: 060127141001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.29	Detected and Quantified	F	Actual				2/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	49.99503 µeq/L	Detected and Quantified	F	Actual				2/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	14 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/15/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	49.70498 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	20.11731 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	49.99521 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	6.56151 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	120.831 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	0.59336 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	0.6977 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	36.29096 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	19.91471 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	126.97237 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	106.8984 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.8419	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06012714100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	5 °C	Detected and Quantified	F	Actual				1/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds

Project ID: VTSSS **Station ID:** VT44 **Visit Date:** 4/26/2006 1:00 PM

Visit Comment: MARVIN GILBERT // // Cloudy, slight drizzle Clear with scattered showers and thunderstorms, 50/50

Activity: 060426130001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.27	Detected and Quantified	F	Actual				5/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	63.66377 µeq/L	Detected and Quantified	F	Actual			5/11/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	15.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	5/3/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	60.55938 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	22.68854 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	52.50105 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	7.64259 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	119.404 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	1.17613 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	40.42953 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	19.40429 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	144.56769 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	123.53809 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.85453	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06042613000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12 °C	Detected and Quantified	F	Actual				4/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT44 **Visit Date:** 7/28/2006 5:05 PM
Visit Comment: MARVIN GILBERT // // Partly cloudy Partly cloudy with scattered storms

Activity: 060728170501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.37	Detected and Quantified	F	Actual				8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	101.0497 µeq/L	Detected and Quantified	F	Actual				8/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	16.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	68.98302 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	24.29668 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	60.555 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	10.20543 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	149.002 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/20/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_Grab	31.54746 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/20/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	19.50588 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/20/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	164.04663 µeq/L	Detected and Quantified	F	Actual			2/6/2008	
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	152.14354 µeq/L	Detected and Quantified	F	Actual			2/18/2008	
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.92744	Detected and Quantified	F	Actual			2/18/2008	
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06072817050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	20 °C	Detected and Quantified	F	Actual				7/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT44 **Visit Date:** 10/26/2006 9:45 AM
Visit Comment: MARVIN GILBERT
//
Partly cloudy //Sunny

Activity: 061026094501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.6139	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.72	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Metrohm_Grab	72.91069 µeq/L	Detected and Quantified	F	Actual			11/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
ANC_Manual_Grab	56.10748 µeq/L	Detected and Quantified	F	Actual			12/1/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	14.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	11/3/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	54.49252 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	20.7851 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	52.11141 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	7.13673 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	126.89 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	40.24983 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	20.06151 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	134.53226 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	116.45932 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.86566	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	133.26253 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

IONRATIO_MET_IC2_GRAB	0.99056	Detected and Quantified	F	Actual				4/23/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06102609450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8 °C	Detected and Quantified	F	Actual				10/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT45 **Visit Date:** 1/28/2005 1:50 PM
Visit Comment: MARVIN GILBERT // // Light thin cloud cover, cold Winter mix - snow/sleet/rain/cold

Activity: 050128135001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.72	Detected and Quantified	F	Actual				2/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	65.3 µeq/L	Detected and Quantified	F	Actual				2/23/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	21.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/2/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	39.271 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	78.514 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	46.893 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	21.018 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	145.599 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		11/9/2005			
Dilution: N	*Recovery:* N	*Correction:* N									
Result Comment: Reported value of 0.048.											
SO4_IC_Grab	91.125 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/9/2005			
Dilution: N	*Recovery:* N	*Correction:* N									
Cl_IC_Grab	23.011 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/9/2005			
Dilution: N	*Recovery:* N	*Correction:* N									
SBC_AA_GRAB	185.696 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_2PT_IC1_GRAB	179.5365 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC1_AA_GRAB	0.96683	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Activity: 050128135001 **Activity Type:** Quality Control Sample-Field Replicate **Activity Depth:** **Relative Depth:** **Replicate #:** 1

Custody ID: **Person(s):** **QC Sample?:** Yes

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.71	Detected and Quantified	F	Actual				2/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	65.3 µeq/L	Detected and Quantified	F	Actual				2/23/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	21.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/2/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	39.97 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	78.926 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	46.719 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	20.89 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	145.731 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	90.938 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	22.983 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	186.505 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	179.3215 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.96148	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05012813500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	1 °C	Detected and Quantified	F	Actual				1/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT45 **Visit Date:** 4/25/2005 10:10 AM
Visit Comment: MARVIN GILBERT // // Partly cloudy Sunny, partly cloudy, rain, storms and snow showers at higher elevations on Sunday

Activity: 050425101001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.46	Detected and Quantified	F	Actual				5/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	29.4 µeq/L	Detected and Quantified	F	Actual				5/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	15.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	5/2/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	23.403 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	47.487 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	30.798 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	25.702 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	104.547 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	65.894 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	21.291 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	127.39 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	116.6855 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.91597	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05042510100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8 °C	Detected and Quantified	F	Actual				4/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT45 **Visit Date:** 7/26/2005 11:30 AM
Visit Comment: MARVIN GILBERT // // Hot & clear Partly cloudy with a few scattered thunderstorms

Activity: 050726113001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.61	Detected and Quantified	F	Actual				7/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	57.9 µeq/L	Detected and Quantified	F	Actual				8/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/29/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	33.583 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	62.713 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	37.323 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	32.256 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	129.331 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	3.558 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	59.218 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	22.052 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	165.875 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	142.728 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

IONRATIO_2PT_IC1_AA_GRAB	0.86046	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05072611300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	22 °C	Detected and Quantified	F	Actual				7/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT45 **Visit Date:** 10/26/2005 10:30 AM
Visit Comment: MARVIN GILBERT // Leaf litter (normal) // Partly cloudy Light rain on 10/20/05, snow showers on 10/24/05

Activity: 051026103001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.57	Detected and Quantified	F	Actual				10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	51.10805 µeq/L	Detected and Quantified	F	Actual				12/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	29.99419 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	57.51237 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	37.288 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	26.9681 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	118.325 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	70.74429 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	21.95543 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	151.76916 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	143.84827 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.94781	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05102610300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11 °C	Detected and Quantified	F	Actual				10/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT45 **Visit Date:** 1/27/2006 10:45 AM
Visit Comment: MARVIN GILBERT // Box lost in transit - mailed 1/30/06, received 2/8/06. Tag not visible due to high water debris. Also rock bar may fill in site location some time in the future. // Clear Partly cloudy to rain

Activity: 060127104501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.38	Detected and Quantified	F	Actual				2/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	26.11091 µeq/L	Detected and Quantified	F	Actual				2/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	14.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	2/15/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	22.14867 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	47.4397 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	31.20325 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	23.41673 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	102.505 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	64.85424 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	21.87194 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	124.21485 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	112.87759 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.90873	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06012710450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8.5 °C	Detected and Quantified	F	Actual				1/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

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Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT45 **Visit Date:** 4/26/2006 11:00 AM
Visit Comment: MARVIN GILBERT // // Cloudy, slight drizzle Clear with scattered showers and thunderstorms, 50/50

Activity: 060426110001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.42	Detected and Quantified	F	Actual				5/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	34.51685 µeq/L	Detected and Quantified	F	Actual				5/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	16.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	25.26075 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	50.78902 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	33.70516 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	28.90457 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	103.219 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	0.66524 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	67.04278 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	22.52692 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	138.666 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC2_GRAB	124.75179 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.89966	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06042611000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	14 °C	Detected and Quantified	F	Actual				4/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT45 **Visit Date:** 7/28/2006 1:32 PM
Visit Comment: MARVIN GILBERT // Very low flow. // Partly cloudy Partly cloudy with scattered storms

Activity: 060728133201 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.52	Detected and Quantified	F	Actual				8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	66.71479 µeq/L	Detected and Quantified	F	Actual				8/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	32.65847 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	62.37179 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	37.44304 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_Grab	31.19914 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	127.77 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	52.22 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	21.4008 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	163.67894 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	140.37609 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.85763	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06072813320F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	23 °C	Detected and Quantified	F	Actual				7/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

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Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT45 **Visit Date:** 10/26/2006 12:25 PM
Visit Comment: MARVIN GILBERT
//
//Sunny
Partly cloudy

Activity: 061026122501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.367	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.48	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	54.10984 µeq/L	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	41.10919 µeq/L	Detected and Quantified	F	Actual				12/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	28.27976 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	57.44821 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	36.4114 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	27.20998 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	112.897 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	74.69952 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	22.71016 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	149.35585 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	138.55937 µeq/L	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.92771	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_MET_IC2_GRAB	151.56002 µeq/L	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_MET_IC2_GRAB	1.01476	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06102612250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9 °C	Detected and Quantified	F	Actual				10/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT46 **Visit Date:** 1/27/2005 6:55 AM
Visit Comment: K. HICKMAN // // Clear, cold Snow (warm-cold)

Activity: 050127065501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.66	Detected and Quantified	F	Actual				2/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	69.4 µeq/L	Detected and Quantified	F	Actual				2/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	15.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	2/1/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	57.535 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	19.999 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	55.071 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	4.173 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	130.061 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	36.982 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	22.165 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	136.778 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	128.6475 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.94056	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05012706550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	3 °C	Detected and Quantified	F	Actual				1/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT46 **Visit Date:** 4/25/2005 2:45 PM
Visit Comment: K. HICKMAN // // Partly cloudy, high in 60's Warm, low 80's until weekend cold rainy, snow flurries

Activity: 050425144501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.32	Detected and Quantified	F	Actual				5/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	66.2 µeq/L	Detected and Quantified	F	Actual				5/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	15.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/2/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	61.976 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	20.822 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	56.506 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	4.813 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	127.305 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.08.												
SO4_IC_Grab	41.08 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	21.827 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	144.117 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	129.2075 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.89655	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05042514450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10 °C	Detected and Quantified	F	Actual				4/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT46 **Visit Date:** 7/26/2005 2:35 PM
Visit Comment: KENNETH HICKMAN // // Highs mid 90's; scattered clouds; humidity 50%+ Highs mid to upper 80's with scattered showers

Activity: 050726143501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.77	Detected and Quantified	F	Actual				7/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	90.3 µeq/L	Detected and Quantified	F	Actual				8/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	15.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/29/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	66.716 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	21.069 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	56.506 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	4.992 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	137.382 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	33.509 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	20.53 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	149.283 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	144.4395 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.96755	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05072614350F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	20 °C	Detected and Quantified	F	Actual				7/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT46 **Visit Date:** 10/24/2005 9:45 AM
Visit Comment: H. HUFFMAN // // Drizzly, cool Showers last week, cooling down

Activity: 051024094501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.26	Detected and Quantified	F	Actual				10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	44.86032 µeq/L	Detected and Quantified	F	Actual				11/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	15.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	10/31/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	59.77671 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	18.13761 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	59.83519 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	5.23207 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	135.705 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	35.10234 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	22.17065 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	142.98808 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	102.17381 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.71456	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05102409450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12 °C	Detected and Quantified	F	Actual				10/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT46 **Visit Date:** 1/25/2006 2:20 PM
Visit Comment: K. HICKMAN // //

Activity: 060125142001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.75	Detected and Quantified	F	Actual				2/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	57.81135 µeq/L	Detected and Quantified	F	Actual				2/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	14.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	57.97705 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	19.07626 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	54.5571 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	4.38204 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	119.586 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	39.99703 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	22.36572 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	135.99895 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC2_GRAB	120.2146 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.88394	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06012514200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4 °C	Detected and Quantified	F	Actual				1/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT46 **Visit Date:** 4/26/2006 5:00 PM
Visit Comment: K HICKMAN // // Cloudy, high in 50's Rain on Friday, Saturday, Tuesday evening

Activity: 060426170001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.25	Detected and Quantified	F	Actual				5/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	78.66229 µeq/L	Detected and Quantified	F	Actual				5/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	16.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	78.962 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	23.02601 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	54.03353 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_Grab	4.19099 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	123.919 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	43.66979 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	21.65466 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	160.21903 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	144.02724 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.89894	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06042617000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12 °C	Detected and Quantified	F	Actual				4/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT46 **Visit Date:** 7/25/2006 8:25 AM
Visit Comment: H. HUFFMAN // // Cool, chance of rain Hard to severe T-storms, lots of rain

Activity: 060725082501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.43	Detected and Quantified	F	Actual				8/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	102.86464 µeq/L	Detected and Quantified	F	Actual				8/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/9/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	76.37276 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	23.28787 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	62.82375 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	5.1892 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	147.939 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	30.30892 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	21.48623 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	167.68008 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	154.70029 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.92259	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06072508250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	19 °C	Detected and Quantified	F	Actual				7/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT46 **Visit Date:** 10/25/2006 9:00 AM
Visit Comment: H. HUFFMAN //
//Cool, clear
Cold, windy

Activity: 061025090001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.6094	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.72	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	68.86965 µeq/L	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	61.7154 µeq/L	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	14.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	56.38949 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_Grab	18.84408 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	55.17047 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	4.25102 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	129.314 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	37.61222 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	21.99775 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	134.66156 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	121.36587 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.90127	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	128.52012 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.95439	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06102509000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6 °C	Detected and Quantified	F	Actual				10/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT48 **Visit Date:** 1/26/2005 1:00 PM
Visit Comment: CHARLES STULTZ // // Cloudy, temp. 45 F Very cold, single digits, 3" snow, sleet & freezing rain

Activity: 050126130001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.49	Detected and Quantified	F	Actual				1/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	35.3 µeq/L	Detected and Quantified	F	Actual				2/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	14.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/29/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	23.852 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	40.162 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	30.45 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	27.981 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	110.988 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Present <QL	*Present <QL	F	Actual	0.201 ueq/L	0.639 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.225.												
SO4_IC_Grab	63.253 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	16.384 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	122.445 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	115.357 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.94211	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05012613000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	2 °C	Detected and Quantified	F	Actual				1/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT48 **Visit Date:** 4/30/2005 5:00 PM
Visit Comment: CHARLES STULTZ // Note: Sample was taken Saturday 4/30/05, refrigerated and sent by UPS on 5/2/05. // Sunny & cool Several days of rain

Activity: 050430170001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.68	Detected and Quantified	F	Actual				5/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	38.7 µeq/L	Detected and Quantified	F	Actual				5/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	15.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/4/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	23.004 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	39.175 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	31.32 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	34.099 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	116.881 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	63.378 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	17.033 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	127.598 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	119.2115 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.93427	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05043017000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	14 °C	Detected and Quantified	F	Actual				4/30/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT48 **Visit Date:** 7/28/2005 3:00 PM
Visit Comment: CHARLES STULTZ // Scouts wading in creek // Warm, partly cloudy Very hot, 95+, evening showers

Activity: 050728150001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.78	Detected and Quantified	F	Actual				8/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	86.1 µeq/L	Detected and Quantified	F	Actual				8/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	24.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	8/4/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	42.964 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	61.972 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	45.153 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	47.002 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	142.428 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	10.69 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	63.357 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	18.048 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	197.091 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	178.195 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.90413	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05072815000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	19 °C	Detected and Quantified	F	Actual				7/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT48 **Visit Date:** 10/26/2005 4:45 PM
Visit Comment: CHARLES STULTZ // Leaves starting to fall // Cool, partly cloudy Light rain & snow flurries

Activity: 051026164501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.93	Detected and Quantified	F	Actual				11/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	100.42698 µeq/L	Detected and Quantified	F	Actual				12/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	23.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/2/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	52.06362 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	64.00584 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	52.13659 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	41.7986 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	146.794 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	0.70733 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	82.05747 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	19.42226 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	210.01115 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	202.61404 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.96478	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05102616450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	7 °C	Detected and Quantified	F	Actual				10/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT48 **Visit Date:** 1/26/2006 4:40 PM
Visit Comment: CHARLES STULTZ // // Cold & windy. Fairly heavy rian showers & windy.

Activity: 060126164001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.49	Detected and Quantified	F	Actual				2/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	34.39889 µeq/L	Detected and Quantified	F	Actual				2/16/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	16 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/6/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	25.96 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	45.42199 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	32.41 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	30.45598 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	110.407 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	73.75502 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	17.39835 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	134.25447 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	125.59276 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.93548	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06012616400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4 °C	Detected and Quantified	F	Actual				1/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds

Project ID: VTSSS **Station ID:** VT48 **Visit Date:** 4/26/2006 1:00 PM

Visit Comment: CHARLES STULTZ // // Light rain showers Heavy rain, 1.5+

Activity: 060426130001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.57	Detected and Quantified	F	Actual				5/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	37.81321 µeq/L	Detected and Quantified	F	Actual			5/8/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	15.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	5/2/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	24.03282 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	42.73778 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	31.9937 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	34.72821 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	109.909 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	65.77334 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	17.60034 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	133.49901 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	121.22739 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.90808	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06042613000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12 °C	Detected and Quantified	F	Actual				4/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT48 **Visit Date:** 7/27/2006 4:20 PM
Visit Comment: CHARLES STULTZ // Campsite located adjacent to test site. Tag had been removed from tree. (Scouts in camp.) // Hot, light rain showers Hot, evening showers

Activity: 060727162001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.76	Detected and Quantified	F	Actual				8/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	85.30881 µeq/L	Detected and Quantified	F	Actual				8/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	21 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/9/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	41.25605 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	61.75299 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	42.16497 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	45.00157 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	135.605 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/19/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_Grab	69.12139 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/19/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	18.18909 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/19/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	190.18208 µeq/L	Detected and Quantified	F	Actual			2/6/2008	
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	172.65979 µeq/L	Detected and Quantified	F	Actual			2/18/2008	
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.90787	Detected and Quantified	F	Actual			2/18/2008	
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06072716200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	22 °C	Detected and Quantified	F	Actual				7/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT48 **Visit Date:** 10/31/2006 5:00 PM
Visit Comment: CHARLES STULTZ
// //Clear and cool
Rain 2+"

Activity: 061031170001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.5942	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.68	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Metrohm_Grab	66.42671 µeq/L	Detected and Quantified	F	Actual			11/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
ANC_Manual_Grab	50.37016 µeq/L	Detected and Quantified	F	Actual			12/1/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	18.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	11/3/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	29.71318 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	51.18104 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	36.78394 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	38.7369 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	125.396 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	0.7923 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	75.49803 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	18.80371 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	156.42156 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	145.4642 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.92995	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	161.52075 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

IONRATIO_MET_IC2_GRAB	1.0326	Detected and Quantified	F	Actual				4/23/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06103117000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11 °C	Detected and Quantified	F	Actual				10/31/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT49 **Visit Date:** 1/25/2005 1:15 PM
Visit Comment: HOLDEN MASON // // Partly cloudy, air temp. 2 C, no wind, snow 1-2" on ground Snow - 1 to 2" Wed & Sat/Sun, windy

Activity: 050125131501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.33	Detected and Quantified	F	Actual				1/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	25.8 µeq/L	Detected and Quantified	F	Actual				2/14/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/29/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	71.357 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	60.326 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	17.008 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	13.798 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	79.564 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_IC_Grab	5.49 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	112.029 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	16.469 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	162.489 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	159.788 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.98338	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05012513150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	1 °C	Detected and Quantified	F	Actual				1/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds

Project ID: VTSSS **Station ID:** VT49 **Visit Date:** 4/29/2005 9:30 AM

Visit Comment: M. HARVEY // Popular hiking trail adjacent to stream with some primitive camping sites. // Overcast, some light drizzle Cool

Activity: 050429093001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.47	Detected and Quantified	F	Actual				5/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	31.2 µeq/L	Detected and Quantified	F	Actual				5/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/4/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_AA_Grab	74.301 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	63.042 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	18.444 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	15.898 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	83.664 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	3.558 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	108.368 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	16.694 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	171.685 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	159.82 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.93089	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05042909300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9 °C	Detected and Quantified	F	Actual				4/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT49 **Visit Date:** 7/28/2005 3:00 PM
Visit Comment: KENNY MAY // // Overcast, a few rain drops fell, temp. in 70s Rain off & on, hot some days

Activity: 050728150001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.82	Detected and Quantified	F	Actual				8/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	93.7 µeq/L	Detected and Quantified	F	Actual				8/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	25.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/4/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	125 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	60.984 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	19.14 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	13.082 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	92.396 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	1.352 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	95.056 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	16.582 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	218.206 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	206.69 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

IONRATIO_2PT_IC1_AA_GRAB	0.94722	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05072815000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18 °C	Detected and Quantified	F	Actual				7/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT49 **Visit Date:** 10/28/2005 10:55 AM
Visit Comment: KENNY MAY // // Broken clouds, a little overcast, nice day Rainy and a few nice days

Activity: 051028105501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.84	Detected and Quantified	F	Actual				11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	95.36542 µeq/L	Detected and Quantified	F	Actual				12/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	25.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	125.20794 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	69.13209 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	23.74178 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	14.33012 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	89.225 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	6.5986 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	92.7688 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	18.44691 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	232.41843 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	213.17973 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.91722	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05102810550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8 °C	Detected and Quantified	F	Actual				10/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT49 **Visit Date:** 1/25/2006 9:00 AM
Visit Comment: US FOREST SERVICE // // Cloudy, windy & cooler; snow showers last night and this morning. Above normal temps; normal precip.

Activity: 060125090001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.29	Detected and Quantified	F	Actual				2/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	21.85212 µeq/L	Detected and Quantified	F	Actual				2/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	21.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	2/3/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	78.48609 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	67.0281 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	17.56237 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	15.3908 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	78.07 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	0.16501 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	5.47394 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	123.26744 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	18.37818 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	178.63237 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	168.97168 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.94592	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06012509000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	5.6 °C	Detected and Quantified	F	Actual				1/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT49 **Visit Date:** 4/26/2006 3:00 PM
Visit Comment: US FOREST SERVICE // // Fair Seasonable, thundershowers over weekend

Activity: 060426150001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.41	Detected and Quantified	F	Actual				5/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	26.89969 µeq/L	Detected and Quantified	F	Actual				5/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	21.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	76.39482 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	68.38081 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	18.18089 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	17.40624 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	81.938 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	3.32 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	119.45023 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	17.941 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	180.36926 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC2_GRAB	167.61092 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.92927	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06042615000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11 °C	Detected and Quantified	F	Actual				4/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT49 **Visit Date:** 7/25/2006 12:00 PM
Visit Comment: T. HOLLAND // // Sunny & warm (23C) Sunny & hot w/thunderstorms

Activity: 060725120001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.73	Detected and Quantified	F	Actual				8/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	74.39462 µeq/L	Detected and Quantified	F	Actual				8/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	21.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/9/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	99.7823 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	61.96066 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	20.14404 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_Grab	11.89612 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	96.031 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	86.29552 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	15.79396 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	193.78962 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	176.5246 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.91091	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06072512000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18 °C	Detected and Quantified	F	Actual				7/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT49 **Visit Date:** 10/30/2006 10:50 AM
Visit Comment: US FOREST SERVICE
//
Cool, rain last Friday //Sunny & mild

Activity: 061030105001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	5.8643	Detected and Quantified	F	Actual				11/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.02	Detected and Quantified	F	Actual				11/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	18.53294 µeq/L	Detected and Quantified	F	Actual				11/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	14.35278 µeq/L	Detected and Quantified	F	Actual				12/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	21.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/17/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	68.86921 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/3/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	69.69232 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/3/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	18.1045 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/3/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	16.251 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/3/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	80.958 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/3/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	1.52022 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		8/3/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	125.83539 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/3/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	20.6633 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/3/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	172.92353 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	162.37169 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.93898	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	166.55185 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.96315	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06103010500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10 °C	Detected and Quantified	F	Actual				10/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT50 **Visit Date:** 1/25/2005 11:00 AM
Visit Comment: HOLDEN MASON // // Cloudy, air clear, no wind, snow up to 1" Snow - 1 to 2" Wed & Sat/Sun, windy, temp.: low - 0F, high - 40F

Activity: 050125110001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	4.8	Detected and Quantified	F	Actual				1/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-13.8 µeq/L	Detected and Quantified	F	Actual				2/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	23.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	1/29/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	32.235 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	52.014 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	12.876 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	15.027 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	71.496 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	7.438 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	124.55 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	15.566 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	10/27/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	217.253 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/25/2006
Dilution: N	*Recovery:* N	*Correction:* N					
O_AL_TC_Grab	21.864 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	5/23/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	112.152 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	133.754 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	1.19261	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05012511000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	2 °C	Detected and Quantified	F	Actual				1/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT50 **Visit Date:** 4/29/2005 8:30 AM
Visit Comment: M. HARVEY // // Overcast, some light drizzle Cool

Activity: 050429083001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	4.95	Detected and Quantified	F	Actual				5/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-15.6 µeq/L	Detected and Quantified	F	Actual				5/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	22.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/4/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	32.136 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	52.178 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	14.007 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	16.742 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	74.849 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	7.953 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_IC_Grab	118.498 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	15.764 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	169.632 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
O_AL_TC_Grab	20.241 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	5/23/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	115.063 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	126.615 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	1.1004	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05042908300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9 °C	Detected and Quantified	F	Actual				4/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT50 **Visit Date:** 7/29/2005 9:15 AM
Visit Comment: KENNY MAY // // Muggy, brush was wet, temp. in 70's Rain off & on, hot some days

Activity: 050729091501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	4.85	Detected and Quantified	F	Actual				8/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-13.9 µeq/L	Detected and Quantified	F	Actual				8/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	20.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	8/4/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	25.399 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	47.652 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	15.616 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	12.211 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	91.765 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	1.513 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	105.435 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	16.976 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	134.052 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/26/2006
Dilution: N	*Recovery:* N	*Correction:* N					
O_AL_TC_Grab	20.463 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	5/23/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	100.878 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	110.024 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	1.09066	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05072909150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18 °C	Detected and Quantified	F	Actual				7/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT50 **Visit Date:** 10/28/2005 11:40 AM
Visit Comment: KENNY MAY // // Broken clouds, a little overcast, nice day Rainy and a few nice days

Activity: 051028114001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	4.91	Detected and Quantified	F	Actual				11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-11.38475 µeq/L	Detected and Quantified	F	Actual				12/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	21.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	26.9054 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	56.93586 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	16.69459 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	16.32145 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	83.116 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	0.92297 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	114.13365 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	19.22437 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	124.961 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
O_AL_TC_Grab	19.614 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	116.8638 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	122.89624 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	1.05162	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05102811400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9 °C	Detected and Quantified	F	Actual				10/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds

Project ID: VTSSS **Station ID:** VT50 **Visit Date:** 1/25/2006 10:00 AM

Visit Comment: US FOREST SERVICE // // Cloudy, windy & cooler; snow showers last night and this morning. Above normal temps; normal precip.

Activity: 060125100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	4.82	Detected and Quantified	F	Actual				2/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	-16.32819 µeq/L	Detected and Quantified	F	Actual			2/14/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	23.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	2/3/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	33.62889 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	54.15615 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	13.62469 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	15.68376 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	72.592 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	0.15075 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	3.77831 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	125.41023 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	16.72396 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	197.55 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
O_AL_TC_Grab	24.967 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	117.24424 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	129.58431 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	1.10525	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06012510000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	5.6 °C	Detected and Quantified	F	Actual				1/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT50 **Visit Date:** 4/25/2006 10:40 AM
Visit Comment: HOLDEN MASON // // Clear, air temp. at stream 17C Clear to cloudy w/thunderstorms and rain 4/17, 4/21 & 22, total rain 1 to 2"

Activity: 060425104001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	4.89	Detected and Quantified	F	Actual				5/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-11.3287 µeq/L	Detected and Quantified	F	Actual				5/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	22 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	34.18723 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	55.4944 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	14.54597 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	18.09142 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	76.045 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	3.24584 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	118.8328 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	16.54661 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	130.446 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/21/2007
Dilution: N	*Recovery:* N	*Correction:* N					
O_AL_TC_Grab	21.71 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	122.32552 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	127.29655 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	1.04064	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06042510400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10.5 °C	Detected and Quantified	F	Actual				4/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds

Project ID: VTSSS **Station ID:** VT50 **Visit Date:** 7/25/2006 9:30 AM

Visit Comment: T. HOLLAND // // Cloudy & warm Sunny & hot w/thunderstorms

Activity: 060725093001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	4.72	Detected and Quantified	F	Actual				8/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	-18.88387 µeq/L	Detected and Quantified	F	Actual			8/23/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	22.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	8/9/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	27.54508 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	48.06991 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	14.51256 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	11.72929 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	87.698 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	2.72448 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	117.55281 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	16.0987 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	184.951 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
O_AL_TC_Grab	21.377 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	101.86334 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	117.49212 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	1.15343	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06072509300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18 °C	Detected and Quantified	F	Actual				7/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT50 **Visit Date:** 10/30/2006 11:30 AM
Visit Comment: US FOREST SERVICE
//
Cool, rain last Friday //Sunny & mild

Activity: 061030113001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	4.8903	Detected and Quantified	F	Actual				11/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	4.9	Detected and Quantified	F	Actual				11/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	-6.47826 µeq/L	Detected and Quantified	F	Actual				11/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-14.68185 µeq/L	Detected and Quantified	F	Actual				12/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	24.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/17/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	38.98828 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/3/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	63.35641 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/3/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	14.93698 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/3/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_Grab	17.83593 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/3/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	75.547 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/9/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	0.17544 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	8/3/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	5.24131 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	8/3/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	131.28699 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/3/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	20.27406 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/3/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	139.965 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
O_AL_TC_Grab	25.554 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	135.29304 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	142.12051 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	1.05046	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	150.3241 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	1.1111	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06103011300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10 °C	Detected and Quantified	F	Actual				10/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: VTSSS **Station ID:** VT51 **Visit Date:** 1/31/2005 3:30 PM
Visit Comment: SHANE SPITZER // // Cold, clear Cold, snow

Activity: 050131153001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.05	Detected and Quantified	F	Actual				2/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	134.4 µeq/L	Detected and Quantified	F	Actual				2/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	34.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/3/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	120.608 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	116.208 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	57.768 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	14.106 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	144.204 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	6.311 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	119.912 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	30.259 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	308.69 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	290.882 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC1_AA_GRAB	0.94231	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Activity: 050131153001 **Activity Type:** Quality Control Sample-Field Replicate **Activity Depth:** **Relative Depth:** **Replicate #:** 1

Custody ID: **Person(s):** **QC Sample?:** Yes

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.06	Detected and Quantified	F	Actual				2/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	133.7 µeq/L	Detected and Quantified	F	Actual				2/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	34.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/3/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	121.357 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	114.808 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	57.028 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	13.952 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	144.005 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	4.218 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	120.037 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	30.371 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	307.145 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	288.326 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.93873	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05013115300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	1 °C	Detected and Quantified	F	Actual				1/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0501311530S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	2.00602 mg/l	Detected and Quantified	F	Actual	0.172339614 mg/l	0.548039971 mg/l		4/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Non-filterable Residue	*Non-detect	*Non-detect	F	Actual	0.179602815 mg/l	0.571136951 mg/l		4/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.15045.												

Activity: 0501311530S1 **Activity Type:** Quality Control Sample-Field Replicate **Activity Depth:** **Relative Depth:** **Replicate #:** 1
Custody ID: **Person(s):** **QC Sample?:** Yes

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Non-detect	*Non-detect	F	Actual	0.172339614 mg/l	0.548039971 mg/l		4/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.15136.												
Non-filterable Residue	*Non-detect	*Non-detect	F	Actual	0.179602815 mg/l	0.571136951 mg/l		4/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.15136.												

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: VTSSS **Station ID:** VT51 **Visit Date:** 4/30/2005 8:15 AM
Visit Comment: SHANE SPITZER // // Rain

Activity: 050430081501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.19	Detected and Quantified	F	Actual				5/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	196.9 µeq/L	Detected and Quantified	F	Actual				5/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	38.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/5/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	142.065 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	130.445 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	67.642 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	19.302 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	153.616 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.048.												
SO4_IC_Grab	111.509 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	31.161 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	359.454 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	339.6705 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.94496	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05043008150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10.4 °C	Detected and Quantified	F	Actual				4/30/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0504300815S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Present <QL	*Present <QL	F	Actual	0.172339614 mg/l	0.548039971 mg/l		7/18/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.4002.												
Non-filterable Residue	0.70035 mg/l	Detected and Quantified	F	Actual	0.179602815 mg/l	0.571136951 mg/l		7/18/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: VTSSS **Station ID:** VT51 **Visit Date:** 7/31/2005 12:40 PM
Visit Comment: SHANE SPITZER // // Hot, sunny Some thunderstorms

Activity: 050731124001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.64	Detected and Quantified	F	Actual				8/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	343.5 µeq/L	Detected and Quantified	F	Actual				8/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	49.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	8/12/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	193.113 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	171.842 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	102.486 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	23.322 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	179.629 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.032.							
SO4_IC_Grab	82.992 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	28.99 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	490.763 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	455.5825 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.92831	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05073112400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	24 °C	Detected and Quantified	F	Actual				7/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0507311240S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Present <QL	*Present <QL	F	Actual	0.172339614 mg/l	0.548039971 mg/l		9/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.4712.												
Non-filterable Residue	1.20419 mg/l	Detected and Quantified	F	Actual	0.179602815 mg/l	0.571136951 mg/l		9/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: VTSSS **Station ID:** VT51 **Visit Date:** 10/26/2005 4:00 PM
Visit Comment: JIM ATKINSON // Hydrolab data: pH-7.47, DO-11.94, cond-38.2 // Partly to mostly cloudy, mid 50's, breezy Three rain days within the past week-10/21, 10/22 & 10/25

Activity: 051026160001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.77	Detected and Quantified	F	Actual				11/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	203.59119 µeq/L	Detected and Quantified	F	Actual				12/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	39.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/2/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	150.23242 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	155.19199 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	77.90818 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_Grab	15.76002 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	187.945 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	129.77806 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	33.90272 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	399.09911 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	367.31247 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.92035	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05102616000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11.1 °C	Detected and Quantified	F	Actual				10/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0510261600S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Present <QL	*Present <QL	F	Actual	0.172339614 mg/l	0.548039971 mg/l		1/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Result Comment: Reported value of 0.45.

Non-filterable Residue	0.95 mg/l	Detected and Quantified	F	Actual	0.179602815 mg/l	0.571136951 mg/l		1/12/2006			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park

Project ID: VTSSS **Station ID:** VT51 **Visit Date:** 1/26/2006 11:20 AM

Visit Comment: JIM ATKINSON // Multiple stream crossings, but very light use this time of year. // Sunny, clear, windy, cold, mid 40's daytime high. Mix of sun, clouds, warm & cold days, rain Sunday night & Tuesday night, but light.

Activity: 060126112001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.97	Detected and Quantified	F	Actual				2/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	131.53067 µeq/L	Detected and Quantified	F	Actual				2/16/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	33.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/6/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	121.25639 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	116.87686 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	59.52163 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	13.86024 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	140.668 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	1.22856 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	125.88086 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	31.41849 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	311.52162 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	290.05858 µeq/L	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.9311	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 060126112001 **Activity Type:** Quality Control Sample-Field Replicate **Activity Depth:** **Relative Depth:** **Replicate #:** 1

Custody ID: **Person(s):** **QC Sample?:** Yes

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.96	Detected and Quantified	F	Actual				2/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	133.54561 µeq/L	Detected and Quantified	F	Actual				2/16/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	33.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/6/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	121.47319 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	116.95895 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	59.51154 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	13.75703 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	139.291 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_Grab	126.58448 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	31.72941 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	311.70721 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	291.9 µeq/L	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.93646	Detected and Quantified	F	Actual				2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06012611200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4 °C	Detected and Quantified	F	Actual				1/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0601261120S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Non-detect	*Non-detect	F	Actual	0.172339614 mg/l	0.548039971 mg/l		3/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.10395.												
Non-filterable Residue	*Present <QL	*Present <QL	F	Actual	0.179602815 mg/l	0.571136951 mg/l		3/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.31185.												

Activity: 0601261120S1 **Activity Type:** Quality Control Sample-Field Replicate **Activity Depth:** **Relative Depth:** **Replicate #:** 1
Custody ID: **Person(s):** **QC Sample?:** Yes

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Present <QL	*Present <QL	F	Actual	0.172339614 mg/l	0.548039971 mg/l		3/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.20263.												
Non-filterable Residue	*Present <QL	*Present <QL	F	Actual	0.179602815 mg/l	0.571136951 mg/l		3/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.45593.												

Organization: Shenandoah National Park
Project ID: VTSSS **Station ID:** VT51 **Visit Date:** 4/26/2006 11:40 AM
Visit Comment: JIM ATKINSON // Placed new tag. Several trail crossings located upstream. Light use during the week. Higher on weekends. // Partly cloudy, cool, mid 60s by noon. Rain during the evening of 4/25/06; rain most of the day 4/22/06.

Activity: 060426114001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7	Detected and Quantified	F	Actual				5/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	161.09579 µeq/L	Detected and Quantified	F	Actual				5/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	36.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	132.8326 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	125.34969 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	66.77407 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_Grab	16.62352 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	162.763 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	129.60324 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	29.09478 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	341.58638 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	319.83431 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.93632	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06042611400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12 °C	Detected and Quantified	F	Actual				4/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0604261140S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Non-detect	*Non-detect	F	Actual	0.172339614 mg/l	0.548039971 mg/l		7/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Result Comment: Reported value of 0.15.

Non-filterable Residue	0.85 mg/l	Detected and Quantified	F	Actual	0.179602815 mg/l	0.571136951 mg/l	7/11/2006
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: VTSSS **Station ID:** VT51 **Visit Date:** 7/27/2006 10:55 AM

Visit Comment: JIM ATKINSON // Multiple stream crossings throughout drainage. Active horse and foot trail. Popular with anglers. // Overcast with some showers. Hot, humid, some clouds, rain late last week and over the weekend.

Activity: 060727105501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7	Detected and Quantified	F	Actual				8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	340.9692 µeq/L	Detected and Quantified	F	Actual				8/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	45.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	191.29278 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	168.34983 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	92.0471 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/24/2007				
Dilution: Y	*Recovery:* N	*Correction:* N										
K_Ions_Grab	18.735 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	186.534 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	78.15214 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	33.14099 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	470.43121 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	452.30283 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.96146	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06072710550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	23 °C	Detected and Quantified	F	Actual				7/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0607271055S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Present <QL	*Present <QL	F	Actual	0.172339614 mg/l	0.548039971 mg/l		10/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.45.												
Non-filterable Residue	0.9 mg/l	Detected and Quantified	F	Actual	0.179602815 mg/l	0.571136951 mg/l		10/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: VTSSS **Station ID:** VT51 **Visit Date:** 10/25/2006 12:05 PM
Visit Comment: DAVID DEMAREST
// //Partly cloudy

Activity: 061025120501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	7.3497	Detected and Quantified	F	Actual				10/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	7.43	Detected and Quantified	F	Actual				10/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	233.29269 µeq/L	Detected and Quantified	F	Actual				10/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	227.91226 µeq/L	Detected and Quantified	F	Actual				10/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	38.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/27/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	147.53739 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	139.18464 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	70.09359 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	14.06803 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	173.752 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	0.92704 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	97.5871 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	34.77241 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	370.89015 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	361.19881 µeq/L	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.97387	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_MET_IC2_GRAB	366.57924 µeq/L	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_MET_IC2_GRAB	0.98838	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06102512050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9.8 °C	Detected and Quantified	F	Actual				10/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 061025120 5S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Present <QL	*Present <QL	F	Actual	0.172339614 mg/l	0.548039971 mg/l		3/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.41258.												
Non-filterable Residue	*Present <QL	*Present <QL	F	Actual	0.179602815 mg/l	0.571136951 mg/l		3/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.30944.												

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT52 **Visit Date:** 1/25/2005 9:00 AM
Visit Comment: HOLDEN MASON // // Air temp.: -1 C, clear, partly cloudy, no wind, snow up to 2" Snow - 1 to 4" Wed & Sat/Sun, windy, temp.: low - 2F, high - mid 40F

Activity: 050125090001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.45	Detected and Quantified	F	Actual				1/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	36.2 µeq/L	Detected and Quantified	F	Actual				2/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	21.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/29/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	95.958 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	54.647 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	17.444 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	12.083 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	82.153 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Present <QL	*Present <QL	F	Actual	0.201 ueq/L	0.639 ueq/L		10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.338.												
SO4_IC_Grab	113.485 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	18.556 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	180.132 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	168.661 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.93632	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05012509000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	2.5 °C	Detected and Quantified	F	Actual				1/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT52 **Visit Date:** 4/28/2005 9:35 AM
Visit Comment: KENNY MAY // // Cool, sunny, light wind Some rain, some dry days

Activity: 050428093501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.6	Detected and Quantified	F	Actual				5/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	36.9 µeq/L	Detected and Quantified	F	Actual				5/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	21.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/4/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	96.706 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	54.73 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	17.792 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	13.184 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	78.385 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	111.342 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	17.569 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	182.412 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	165.9115 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.90954	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05042809350F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9 °C	Detected and Quantified	F	Actual				4/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT52 **Visit Date:** 7/28/2005 12:00 PM
Visit Comment: KENNY MAY // // Overcast, feels like rain, temp. 70F Rain off & on, hot some days

Activity: 050728120001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.77	Detected and Quantified	F	Actual				8/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	103.6 µeq/L	Detected and Quantified	F	Actual				8/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	25.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	8/4/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	128.592 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	62.63 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	18.879 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	10.88 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	94.869 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	2.415 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	84.594 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	16.723 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	220.981 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	207.332 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.93823	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05072812000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	17 °C	Detected and Quantified	F	Actual				7/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT52 **Visit Date:** 10/27/2005 1:45 PM
Visit Comment: KENNY MAY // // Nice, sunny day, temp. 55 F Rainy and a few nice days

Activity: 051027134501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.91	Detected and Quantified	F	Actual				11/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	114.20907 µeq/L	Detected and Quantified	F	Actual				12/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	28.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/2/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	168.47544 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	67.07162 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	18.28155 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	12.00276 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	90.802 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	0.80397 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	102.79637 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	21.82243 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	265.83787 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	239.63184 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.90142	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05102713450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10 °C	Detected and Quantified	F	Actual				10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT52 **Visit Date:** 1/25/2006 8:30 AM
Visit Comment: MIKE HARVEY // // Partly cloudy, dusting of snow on the ground, 36 F. Some rain, mild temp. 40's to low 50's daytime and low 30's w/ some freezing at night.

Activity: 060125083001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.98	Detected and Quantified	F	Actual				2/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	11.72154 µeq/L	Detected and Quantified	F	Actual				2/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	21.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	90.10497 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	49.22076 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	16.5778 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	13.42167 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	75.049 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	123.45436 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	20.52786 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	41.232 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	169.3317 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	155.74426 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.91976	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06012508300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6 °C	Detected and Quantified	F	Actual				1/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT52 **Visit Date:** 4/25/2006 2:00 PM
Visit Comment: US FOREST SERVICE // // Sunny & warm Seasonable

Activity: 060425140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.36	Detected and Quantified	F	Actual				5/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	26.16751 µeq/L	Detected and Quantified	F	Actual				5/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	22.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	104.41174 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	52.50184 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	18.1752 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	15.33259 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	78.086 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	125.32474 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	20.59601 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	190.42787 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	172.12876 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.90391	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06042514000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	13 °C	Detected and Quantified	F	Actual				4/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT52 **Visit Date:** 7/25/2006 12:00 PM
Visit Comment: H. MASON // // Sunny & warm, air temp. 29 C Sunny & hot w/thunderstorms

Activity: 060725120001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.6	Detected and Quantified	F	Actual				8/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	57.86937 µeq/L	Detected and Quantified	F	Actual				8/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	21.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/9/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	107.07252 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	55.51159 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	17.6368 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	10.88216 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	90.769 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	0.78183 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	100.34497 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	17.93251 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	191.10957 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	176.92868 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.9258	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06072512000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	17 °C	Detected and Quantified	F	Actual				7/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT52 **Visit Date:** 10/27/2006 2:30 PM
Visit Comment: T. HOLLAND //
//Rainy & cool
Rainy & cool

Activity: 061027143001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.5689	Detected and Quantified	F	Actual				11/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.87	Detected and Quantified	F	Actual				11/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	75.77344 µeq/L	Detected and Quantified	F	Actual				11/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	68.66327 µeq/L	Detected and Quantified	F	Actual				12/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	22.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/17/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	119.85273 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/3/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	51.4422 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/3/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	16.79261 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/3/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	12.12508 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/3/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	85.241 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/3/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	1.2546 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		8/3/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	96.77373 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/3/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	19.07271 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/3/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	200.21912 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	185.76431 µeq/L	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.92781	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_MET_IC2_GRAB	192.87448 µeq/L	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_MET_IC2_GRAB	0.96332	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06102714300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10 °C	Detected and Quantified	F	Actual				10/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: VTSSS **Station ID:** VT53 **Visit Date:** 1/31/2005 11:55 AM
Visit Comment: SHANE SPITZER // // Cold, cloudy Cold, snow

Activity: 050131115501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.11	Detected and Quantified	F	Actual				2/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	9.4 µeq/L	Detected and Quantified	F	Actual				2/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	17.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	2/3/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	29.591 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	47.076 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	24.838 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	32.998 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	92.528 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	2.834 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	95.638 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	21.996 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	134.503 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	129.868 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.96554	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05013111550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	1.5 °C	Detected and Quantified	F	Actual				1/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0501311155S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Non-detect	*Non-detect	F	Actual	0.172339614 mg/l	0.548039971 mg/l		4/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.05157.												
Non-filterable Residue	*Non-detect	*Non-detect	F	Actual	0.179602815 mg/l	0.571136951 mg/l		4/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.												

Organization: Shenandoah National Park
Project ID: VTSSS **Station ID:** VT53 **Visit Date:** 4/28/2005 10:30 AM
Visit Comment: SHANE SPITZER // // Cool, clear

Activity: 050428103001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.2	Detected and Quantified	F	Actual				5/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	13.7 µeq/L	Detected and Quantified	F	Actual				5/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/5/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	28.044 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	44.607 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	25.926 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_AA_Grab	36.838 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	48.14 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	93.85 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	22.081 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	135.415 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	129.7315 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.95803	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05042810300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9.2 °C	Detected and Quantified	F	Actual				4/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0504281030S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Present <QL	*Present <QL	F	Actual	0.172339614 mg/l	0.548039971 mg/l		7/18/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.30441.												

Non-filterable Residue	*Present <QL	*Present <QL	F	Actual	0.179602815 mg/l	0.571136951 mg/l		7/18/2005			
Dilution: N	*Recovery:* N	*Correction:* N									
Result Comment: Reported value of 0.30441.											

Organization: Shenandoah National Park
Project ID: VTSSS **Station ID:** VT53 **Visit Date:** 7/29/2005 11:55 AM
Visit Comment: SHANE SPITZER // // Hot, sunny Some thunderstorms

Activity: 050729115501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.17	Detected and Quantified	F	Actual				8/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	27.8 µeq/L	Detected and Quantified	F	Actual				8/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/12/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	28.493 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	43.208 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	28.406 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	40.064 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	120.665 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	9.692 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	72.363 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cl_IC_Grab	21.065 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_AA_GRAB	140.171 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC1_GRAB	130.92 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC1_AA_GRAB	0.934	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 050729115501 **Activity Type:** Quality Control Sample-Field Replicate **Activity Depth:** **Relative Depth:** **Replicate #:** 1

Custody ID: **Person(s):** **QC Sample?:** Yes

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.15	Detected and Quantified	F	Actual				8/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	27.8 µeq/L	Detected and Quantified	F	Actual				8/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/12/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	28.543 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	43.372 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	27.753 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	40.474 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	121.031 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	6.794 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	72.384 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cl_IC_Grab	21.094 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L			12/13/2005			
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	140.142 µeq/L	Detected and Quantified	F	Actual					2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	128.072 µeq/L	Detected and Quantified	F	Actual					2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.91387	Detected and Quantified	F	Actual					2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05072911550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	20 °C	Detected and Quantified	F	Actual				7/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0507291155S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Present <QL	*Present <QL	F	Actual	0.172339614 mg/l	0.548039971 mg/l		9/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.45.												
Non-filterable Residue	0.85 mg/l	Detected and Quantified	F	Actual	0.179602815 mg/l	0.571136951 mg/l		9/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0507291155S1 **Activity Type:** Quality Control Sample-Field Replicate **Activity Depth:** **Relative Depth:** **Replicate #:** 1
Custody ID: **Person(s):** **QC Sample?:** Yes

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	0.8 mg/l	Detected and Quantified	F	Actual	0.172339614 mg/l	0.548039971 mg/l		9/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Non-filterable Residue	1.65 mg/l	Detected and Quantified	F	Actual	0.179602815 mg/l	0.571136951 mg/l		9/28/2005
Dilution: N	*Recovery:* N	*Correction:* N						

Organization: Shenandoah National Park

Project ID: VTSSS **Station ID:** VT53 **Visit Date:** 10/26/2005 2:20 PM

Visit Comment: JIM ATKINSON // Hydrolab data: pH-6.86, DO-12.02, cond-17.0 // Partly to mostly cloudy, mid 50's, breezy Three rain days within the past week-10/21, 10/22 & 10/25

Activity: 051026142001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.87	Detected and Quantified	F	Actual				11/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	8.61293 µeq/L	Detected and Quantified	F	Actual				12/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/2/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	32.59053 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	53.35803 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	26.55768 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	43.48072 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	100.945 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	0.49111 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	108.8871 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	22.98507 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	12.617 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	156.47807 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	140.5256 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.89805	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05102614200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9.6 °C	Detected and Quantified	F	Actual				10/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0510261420S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Non-detect	*Non-detect	F	Actual	0.172339614 mg/l	0.548039971 mg/l		1/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.15.												
Non-filterable Residue	*Present <QL	*Present <QL	F	Actual	0.179602815 mg/l	0.571136951 mg/l		1/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.2.												

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park

Project ID: VTSSS **Station ID:** VT53 **Visit Date:** 1/26/2006 9:45 AM

Visit Comment: JIM ATKINSON // // Sunny, clear, windy, cold, mid 40's daytime high. Mix of sun, clouds, warm & cold days, rain Sunday night & Tuesday night, but light.

Activity: 060126094501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6	Detected and Quantified	F	Actual				2/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	6.90186 µeq/L	Detected and Quantified	F	Actual				2/16/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/6/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	30.37476 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	49.93257 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	24.87276 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	35.86232 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	87.266 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	101.87783 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	24.67824 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_Grab	11.078 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		6/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	141.04891 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC2_GRAB	133.49843 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.94647	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06012609450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4.6 °C	Detected and Quantified	F	Actual				1/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 060126094 5S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Non-detect	*Non-detect	F	Actual	0.172339614 mg/l	0.548039971 mg/l		3/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.1.												
Non-filterable Residue	*Non-detect	*Non-detect	F	Actual	0.179602815 mg/l	0.571136951 mg/l		3/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.15.												

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park

Project ID: VTSSS **Station ID:** VT53 **Visit Date:** 4/26/2006 10:15 AM

Visit Comment: JIM ATKINSON // // Partly to mostly cloudy, cool. Rain during the evening of 4/25/06; rain most of the day 4/22/06.

Activity: 060426101501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.11	Detected and Quantified	F	Actual				5/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	12.81555 µeq/L	Detected and Quantified	F	Actual				5/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	30.73538 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	49.49793 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	26.00662 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	41.20814 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	78.136 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	100.11968 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	23.02708 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	147.45457 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	136.00281 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.92234	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06042610150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12 °C	Detected and Quantified	F	Actual				4/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0604261015S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Present <QL	*Present <QL	F	Actual	0.172339614 mg/l	0.548039971 mg/l		7/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.35.												
Non-filterable Residue	1.7 mg/l	Detected and Quantified	F	Actual	0.179602815 mg/l	0.571136951 mg/l		7/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: VTSSS **Station ID:** VT53 **Visit Date:** 7/27/2006 9:15 AM
Visit Comment: JIM ATKINSON // // Partly cloudy-becoming overcast w/showers. Hot, humid, some clouds, rain late last week and over the weekend.

Activity: 060727091501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.13	Detected and Quantified	F	Actual				8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	24.21999 µeq/L	Detected and Quantified	F	Actual				8/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	18.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	8/10/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	32.14072 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	49.07496 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	28.50471 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	42.11376 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	112.166 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	82.53167 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	22.92479 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	151.84065 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	129.71695 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.8543	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06072709150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	21 °C	Detected and Quantified	F	Actual				7/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0607270915S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Present <QL	*Present <QL	F	Actual	0.172339614 mg/l	0.548039971 mg/l		10/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.5.												
Non-filterable Residue	0.75 mg/l	Detected and Quantified	F	Actual	0.179602815 mg/l	0.571136951 mg/l		10/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: VTSSS **Station ID:** VT53 **Visit Date:** 10/25/2006 10:26 AM
Visit Comment: DAVID DEMAREST
// //Cloudy

Activity: 061025102601 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	5.9175	Detected and Quantified	F	Actual				10/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.1	Detected and Quantified	F	Actual				10/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	14.59092 µeq/L	Detected and Quantified	F	Actual				10/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	12.87418 µeq/L	Detected and Quantified	F	Actual				10/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/27/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	30.33397 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_Grab	50.47985 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	25.61832 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	39.49826 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	100.297 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	102.02991 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	23.26814 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	145.9369 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	138.21273 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.94707	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	139.92947 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.95884	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06102510260F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8.5 °C	Detected and Quantified	F	Actual				10/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0610251026S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Present <QL	*Present <QL	F	Actual	0.172339614 mg/l	0.548039971 mg/l		3/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.25176.												
Non-filterable Residue	*Non-detect	*Non-detect	F	Actual	0.179602815 mg/l	0.571136951 mg/l		3/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.												

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT54 **Visit Date:** 1/26/2005 9:30 AM
Visit Comment: TERRY SLATER // // Partly cloudy, mild, high temp. predicted to be mid to upper 40's for the day. Cold, ~2" of snow at German River 4 days before; minor snow melt only due to cold temps.

Activity: 050126093001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.53	Detected and Quantified	F	Actual				2/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	37.8 µeq/L	Detected and Quantified	F	Actual				2/20/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	25.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/1/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	80.289 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	78.761 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	32.625 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

K_AA_Grab	19.277 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	86.469 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	12.912 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	118.955 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	17.258 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	210.952 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	186.925 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.8861	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05012609300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	1 °C	Detected and Quantified	F	Actual				1/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds

Project ID: VTSSS **Station ID:** VT54 **Visit Date:** 4/25/2005 1:00 PM

Visit Comment: T. SLATER // // Cool, mostly cloudy Cool, rainfall near normal, but no significant rain in past 48 hours

Activity: 050425130001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.62	Detected and Quantified	F	Actual				4/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	35.4 µeq/L	Detected and Quantified	F	Actual			5/3/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	25.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	4/28/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	82.036 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	78.926 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	32.668 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	21.837 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	80.975 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	30.107 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	115.752 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	17.287 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	215.467 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	198.546 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.92147	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05042513000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	7 °C	Detected and Quantified	F	Actual				4/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT54 **Visit Date:** 7/25/2005 8:45 AM
Visit Comment: T. SLATER // // Hot & humid, sunny Isolated T-storms, but mostly fair

Activity: 050725084501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.55	Detected and Quantified	F	Actual				7/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	86.2 µeq/L	Detected and Quantified	F	Actual				8/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	32.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/28/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	106.387 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	97.361 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	40.629 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	29.568 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	105.277 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	45.772 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	107.162 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	18.104 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	273.945 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	257.238 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.93901	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05072508450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	17 °C	Detected and Quantified	F	Actual				7/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT54 **Visit Date:** 10/28/2005 12:30 PM
Visit Comment: BUDDIE CHANDLER, JOE EMSWILER // Falling leaves, rotten logs in stream // Partly cloudy, mid 50's, calm winds Cool, scattered snow/rain showers

Activity: 051028123001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.59	Detected and Quantified	F	Actual				11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	63.66377 µeq/L	Detected and Quantified	F	Actual				12/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	34.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	114.9624 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	109.61983 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	47.299 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	26.82221 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	96.23 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	2.33506 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	64.27302 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	106.99469 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	21.20189 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	301.0385 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	256.13337 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.85083	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05102812300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8 °C	Detected and Quantified	F	Actual				10/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT54 **Visit Date:** 1/26/2006 11:20 AM
Visit Comment: WAGGY & CHANDLER // // Sunny, clear & cold. Temp. 50's.

Activity: 060126112001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.2	Detected and Quantified	F	Actual				2/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	21.05999 µeq/L	Detected and Quantified	F	Actual			2/16/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	26.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	2/6/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	83.2875 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	80.93282 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	32.28153 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	20.10348 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	81.788 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	29.17335 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	119.70313 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	18.76257 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	216.61183 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	188.69904 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.87114	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06012611200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	3 °C	Detected and Quantified	F	Actual				1/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT54 **Visit Date:** 4/26/2006 10:15 AM
Visit Comment: M. HARVEY // // Overcast Approx. 1" rain on 4/22; otherwise warm & dry

Activity: 060426101501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.04	Detected and Quantified	F	Actual				5/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	31.11034 µeq/L	Detected and Quantified	F	Actual				5/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	26.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	83.51946 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	80.8462 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	32.16326 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	22.39532 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	85.839 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	0.36577 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	11.54676 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	115.76496 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	18.18407 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	219.29001 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	176.60613 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.80535	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06042610150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9 °C	Detected and Quantified	F	Actual				4/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds

Project ID: VTSSS **Station ID:** VT54 **Visit Date:** 7/28/2006 3:00 PM

Visit Comment: // // Mostly cloudy, gusty winds. Some scattered showers, low temp.- in high 60's, high temp.- low to mid 90's.

Activity: 060728150001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.56	Detected and Quantified	F	Actual				8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	91.05097 µeq/L	Detected and Quantified	F	Actual				8/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	30.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	105.25178 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	99.69396 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	41.31924 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	28.47346 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	102.82 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	0.8744 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	28.07023 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	112.9016 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	18.55932 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	275.61284 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	250.58212 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.90918	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06072815000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	17.8 °C	Detected and Quantified	F	Actual				7/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT54 **Visit Date:** 10/25/2006 12:15 PM
Visit Comment: // //Cool, overcast
Cool, no significant precip.

Activity: 061025121501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.4467	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.49	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	64.04847 µeq/L	Detected and Quantified	F	Actual				11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	58.6072 µeq/L	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	26.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	84.61093 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	83.24086 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	34.53903 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	21.89288 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	91.964 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	109.57703 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	18.68573 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	224.2902 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	186.91046 µeq/L	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.83334	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_MET_IC2_GRAB	192.35173 µeq/L	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_MET_IC2_GRAB	0.8576	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06102512150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	7.8 °C	Detected and Quantified	F	Actual				10/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT56 **Visit Date:** 1/26/2005 11:15 AM
Visit Comment: JOE EMSWILER // // Cloudy, south winds Wintry mix, snow/rain 1-2 inches

Activity: 050126111501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.59	Detected and Quantified	F	Actual				2/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	0.3 µeq/L	Detected and Quantified	F	Actual				2/20/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	14 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	2/1/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	22.255 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	42.467 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	14.312 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	16.051 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	68.774 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	5.104 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	76.232 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	13.677 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	29.202 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	95.085 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	95.313 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	1.0024	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05012611150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	3 °C	Detected and Quantified	F	Actual				1/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT56 **Visit Date:** 4/25/2005 10:00 AM
Visit Comment: T. SLATER // // Cool, mostly cloudy Cool, rainfall near normal, but no significant rain in past 48 hours

Activity: 050425100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.67	Detected and Quantified	F	Actual				4/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	0.3 µeq/L	Detected and Quantified	F	Actual				5/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	14.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/28/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	22.305 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	41.973 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	14.92 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	18.509 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	71.978 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	6.537 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	73.466 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	13.451 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_Grab	20.685 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		4/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_AA_GRAB	97.707 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	93.754 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.95954	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05042510000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8 °C	Detected and Quantified	F	Actual				4/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT56 **Visit Date:** 7/25/2005 11:15 AM
Visit Comment: T. SLATER // // Hot & humid, sunny Isolated T-storms, but mostly fair

Activity: 050725111501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.76	Detected and Quantified	F	Actual				7/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	5.3 µeq/L	Detected and Quantified	F	Actual				8/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	14.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/28/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	22.206 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	40.985 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	16.4 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_AA_Grab	21.939 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	88.528 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	14.329 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	66.373 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	14.072 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	7.576 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/26/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	101.53 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	100.074 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.98566	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05072511150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	19 °C	Detected and Quantified	F	Actual				7/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT56 **Visit Date:** 10/28/2005 10:00 AM
Visit Comment: BUDDIE CHANDLER, JOE EMSWILER // Leaves falling in creek // Partly cloudy, mid 50's, calm winds Cool, scattered snow showers, light rain

Activity: 051028100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.83	Detected and Quantified	F	Actual				11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	5.31626 µeq/L	Detected and Quantified	F	Actual				12/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	13.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	21.18434 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	46.32342 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	15.37042 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	19.19248 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	78.203 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	3.62303 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	70.17615 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	13.24514 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_Grab	6.252 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		6/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	102.07716 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC2_GRAB	92.36058 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.90481	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05102810000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9 °C	Detected and Quantified	F	Actual				10/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT56 **Visit Date:** 1/26/2006 9:21 AM
Visit Comment: WAGGY & CHANDLER // // Sunny, clear & cold. Temp. 50's.

Activity: 060126092101 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.47	Detected and Quantified	F	Actual				2/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	1.17003 µeq/L	Detected and Quantified	F	Actual				2/16/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	14.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/6/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	22.95628 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	44.24292 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	13.89367 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_Grab	16.58965 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	70.118 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	4.85704 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	79.45787 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	13.72145 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	35.218 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	97.68902 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	99.20639 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	1.01553	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06012609210F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	3 °C	Detected and Quantified	F	Actual				1/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT56 **Visit Date:** 4/25/2006 1:30 PM
Visit Comment: B. CHANDLER, N. BROCE, M. HARVEY // // Sunny 3/4 - 1" rain on 4/22; otherwise warm and dry

Activity: 060425133001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.65	Detected and Quantified	F	Actual				5/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	2.81649 µeq/L	Detected and Quantified	F	Actual				5/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	13.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	21.35295 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	40.57429 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	14.51234 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	19.00622 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	72.675 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	0.12347 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	2.91059 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	72.17309 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	13.62876 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_Grab	22.035 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		6/21/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	95.56927 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC2_GRAB	91.52893 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.95772	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06042513300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	13 °C	Detected and Quantified	F	Actual				4/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT56 **Visit Date:** 7/28/2006 10:30 AM
Visit Comment: // // Clear, sunny. Some scattered showers, low temp.- in high 60's, high temp.- high 80's to low 90's.

Activity: 060728103001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.73	Detected and Quantified	F	Actual				8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	4.40213 µeq/L	Detected and Quantified	F	Actual				8/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	14.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	22.85669 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	43.83924 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	15.35038 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_Grab	21.65781 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	87.548 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	10.7128 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	68.18357 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	14.77539 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	9.94 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	103.71062 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	98.07389 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.94565	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06072810300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	20.6 °C	Detected and Quantified	F	Actual				7/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT56 **Visit Date:** 10/25/2006 9:00 AM
Visit Comment: // //Cool, partly cloudy
Cool, no significant precip.

Activity: 061025090001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	5.7161	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	5.81	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	7.3746 µeq/L	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	3.61351 µeq/L	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	13.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	20.26768 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	40.50348 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	14.22376 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	17.74572 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	75.082 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	0.61587 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	71.09044 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	13.32532 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	10.242 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	92.74714 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	88.64514 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.95577	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	92.40623 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.99632	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06102509000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9.4 °C	Detected and Quantified	F	Actual				10/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT57 **Visit Date:** 1/26/2005 1:00 PM
Visit Comment: JOE EMSWILER // Logs jammed up at site // Cloudy, cool Wintry mix, snow/rain

Activity: 050126130001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.18	Detected and Quantified	F	Actual				2/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	15.8 µeq/L	Detected and Quantified	F	Actual				2/20/2005
Dilution: N	*Recovery:* N	*Correction:* N						
Cond_VWR_Manual_Grab	20 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/1/2005
Dilution: N	*Recovery:* N	*Correction:* Y						
Ca_AA_Grab	52.146 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N						
Mg_AA_Grab	66.334 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N						
Na_AA_Grab	23.446 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N						
K_AA_Grab	16.998 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N						
SiO2_TC_Grab	73.97 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N						
NO3_IC_Grab	19.095 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_IC_Grab	103.792 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_IC_Grab	15.51 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_AA_GRAB	158.924 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC1_GRAB	154.197 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC1_AA_GRAB	0.97026	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 05012613000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	1 °C	Detected and Quantified	F	Actual				1/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT57 **Visit Date:** 4/25/2005 11:00 AM
Visit Comment: T. SLATER // // Cool, mostly cloudy Cool, rainfall near normal, but no significant rain in past 48 hours

Activity: 050425110001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.31	Detected and Quantified	F	Actual				4/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	19.5 µeq/L	Detected and Quantified	F	Actual				5/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	21 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		4/28/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	56.636 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	69.626 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	25.534 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	20.019 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	77.638 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	22.492 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	105.893 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	15.707 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	171.815 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	163.592 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.95214	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05042511000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8 °C	Detected and Quantified	F	Actual				4/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT57 **Visit Date:** 7/25/2005 10:00 AM
Visit Comment: T. SLATER // // Hot & humid, sunny Isolated T-storms, but mostly fair

Activity: 050725100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.44	Detected and Quantified	F	Actual				7/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	36.2 µeq/L	Detected and Quantified	F	Actual				8/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	22.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/28/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	57.984 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	72.506 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	26.056 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	24.038 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	93.392 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	23.892 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	99.008 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	15.933 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	180.584 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	175.033 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.96926	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05072510000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	17 °C	Detected and Quantified	F	Actual				7/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT57 **Visit Date:** 10/28/2005 11:00 AM
Visit Comment: BUDDIE CHANDLER, JOE EMSWILER // Leaves falling in stream // Partly cloudy, high 50's, calm winds Cool, scattered snow showers, light rain

Activity: 051028110001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.49	Detected and Quantified	F	Actual				11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	28.61062 µeq/L	Detected and Quantified	F	Actual				12/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	22.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	11/3/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	59.46831 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	81.47246 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	29.17022 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	22.88369 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	88.113 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	5.7479 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	108.97575 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	17.2505 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	193.00118 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	160.58477 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.83204	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05102811000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9 °C	Detected and Quantified	F	Actual				10/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT57 **Visit Date:** 1/26/2006 10:15 AM
Visit Comment: WAGGY & CHANDLER // // Clear and sunny Temp. in 50's.

Activity: 060126101501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.21	Detected and Quantified	F	Actual				2/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	16.90077 µeq/L	Detected and Quantified	F	Actual				2/16/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/6/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	54.43408 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	68.54086 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	23.12563 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	17.61256 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	74.418 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	0.17055 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	16.97127 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	107.13858 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	15.6594 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	163.88368 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC2_GRAB	156.67002 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.95598	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06012610150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	3 °C	Detected and Quantified	F	Actual				1/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT57 **Visit Date:** 4/25/2006 11:30 AM
Visit Comment: B. CHANDLER, N. BROCE, M. HARVEY // // Sunny One significant 24 hour rain with approx. 3/4 - 1" rain; otherwise dry

Activity: 060425113001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.34	Detected and Quantified	F	Actual				5/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	20.31484 µeq/L	Detected and Quantified	F	Actual				5/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	21.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	56.899 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	70.35797 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	25.30856 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/11/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_Grab	21.86501 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	78.667 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	20.07849 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	107.89242 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	16.30457 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/11/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	174.43704 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	164.59032 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.94355	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06042511300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12 °C	Detected and Quantified	F	Actual				4/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

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Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT57 **Visit Date:** 7/28/2006 12:10 PM
Visit Comment: // // Partly cloudy. Some scattered showers, low temp.- in high 60's, high temp.- low to mid 90's.

Activity: 060728121001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.49	Detected and Quantified	F	Actual				8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	37.87149 µeq/L	Detected and Quantified	F	Actual				8/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	22 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	60.17462 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	75.42201 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	25.8617 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	25.3882 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	91.018 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	26.22012 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	95.31864 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	15.45004 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	186.85303 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	174.86029 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.93582	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06072812100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	20.6 °C	Detected and Quantified	F	Actual				7/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT57 **Visit Date:** 10/25/2006 10:10 AM
Visit Comment: // //Cool, partly cloudy
Cool, no significant precip.

Activity: 061025101001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.3264	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.53	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	36.90132 µeq/L	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	32.87203 µeq/L	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	23.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	60.3628 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_Grab	77.91305 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	29.04883 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	22.96097 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	84.909 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	0.20905 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	13.07759 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	111.88663 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	17.49876 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	190.4947 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	175.33501 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.92042	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	179.3643 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.94157	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06102510100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8.9 °C	Detected and Quantified	F	Actual				10/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

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Organization: Shenandoah National Park
Project ID: VTSSS **Station ID:** VT58 **Visit Date:** 1/25/2005 9:30 AM
Visit Comment: SHANE SPITZER // // Cold, cloudy Cold, snow

Activity: 050125093001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.77	Detected and Quantified	F	Actual				1/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	56.8 µeq/L	Detected and Quantified	F	Actual				2/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	16.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/27/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	50.499 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	31.356 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	54.114 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	7.834 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	143.59 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.032.												
SO4_IC_Grab	42.952 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	22.475 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	143.803 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	122.3275 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.85066	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05012509300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	0.7 °C	Detected and Quantified	F	Actual				1/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0501250930S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	4.73042 mg/l	Detected and Quantified	F	Actual	0.172339614 mg/l	0.548039971 mg/l		4/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Non-filterable Residue	5.79858 mg/l	Detected and Quantified	F	Actual	0.179602815 mg/l	0.571136951 mg/l		4/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: VTSSS **Station ID:** VT58 **Visit Date:** 4/29/2005 1:10 PM
Visit Comment: SHANE SPITZER // // Light drizzle

Activity: 050429131001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.94	Detected and Quantified	F	Actual				5/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	81.2 µeq/L	Detected and Quantified	F	Actual				5/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	17.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	5/5/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	55.239 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	33.99 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	59.464 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	10.214 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	143.341 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	39.582 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	22.419 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	158.907 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	143.3015 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.90179	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 050429131001 **Activity Type:** Quality Control Sample-Field Replicate **Activity Depth:** **Relative Depth:** **Replicate #:** 1

Custody ID: **Person(s):** **QC Sample?:** Yes

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.96	Detected and Quantified	F	Actual				5/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	78.6 µeq/L	Detected and Quantified	F	Actual			5/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	17.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	5/5/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	56.187 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	33.99 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	60.16 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	10.24 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	142.345 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	39.478 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	22.391 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	160.577 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	140.5695 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.8754	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Activity: 05042913100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10.1 °C	Detected and Quantified	F	Actual				4/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0504291310S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	0.9 mg/l	Detected and Quantified	F	Actual	0.172339614 mg/l	0.548039971 mg/l		7/18/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Non-filterable Residue	1.9 mg/l	Detected and Quantified	F	Actual	0.179602815 mg/l	0.571136951 mg/l		7/18/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0504291310S1 **Activity Type:** Quality Control Sample-Field Replicate **Activity Depth:** **Relative Depth:** **Replicate #:** 1
Custody ID: **Person(s):** **QC Sample?:** Yes

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	0.8 mg/l	Detected and Quantified	F	Actual	0.172339614 mg/l	0.548039971 mg/l		7/18/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Non-filterable Residue	1.85 mg/l	Detected and Quantified	F	Actual	0.179602815 mg/l	0.571136951 mg/l		7/18/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: VTSSS **Station ID:** VT58 **Visit Date:** 7/31/2005 10:15 AM
Visit Comment: SHANE SPITZER // // Hot, sunny Some thunderstorms

Activity: 050731101501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7	Detected and Quantified	F	Actual				8/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	111.9 µeq/L	Detected and Quantified	F	Actual				8/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/12/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	69.61 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	40.245 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	68.599 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	12.57 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	166.614 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.032.												
SO4_IC_Grab	31.533 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	21.376 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	191.024 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	164.9095 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.86329	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05073110150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	21 °C	Detected and Quantified	F	Actual				7/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0507311015S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	1 mg/l	Detected and Quantified	F	Actual	0.172339614 mg/l	0.548039971 mg/l		9/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Non-filterable Residue	2.35 mg/l	Detected and Quantified	F	Actual	0.179602815 mg/l	0.571136951 mg/l		9/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: VTSSS **Station ID:** VT58 **Visit Date:** 10/27/2005 10:20 AM
Visit Comment: JIM ATKINSON // No known contamination, although possible campers upstream this time of year. Hydrolab data: pH-7.23, DO-12.73, cond-15.6 // Sunny, clear, mid 40s at sample time Three rain days within the past week-10/21, 10/22 & 10/25

Activity: 051027102001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.85	Detected and Quantified	F	Actual				11/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	88.60381 µeq/L	Detected and Quantified	F	Actual				12/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	17.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	11/2/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	63.00473 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	39.19124 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	63.07007 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	9.59691 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	155.459 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	45.46333 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	23.2564 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	174.86945 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	157.36404 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.89989	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05102710200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8.1 °C	Detected and Quantified	F	Actual				10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 051027102OS1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Present <QL	*Present <QL	F	Actual	0.172339614 mg/l	0.548039971 mg/l		1/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.3.												
Non-filterable Residue	0.6 mg/l	Detected and Quantified	F	Actual	0.179602815 mg/l	0.571136951 mg/l		1/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: VTSSS **Station ID:** VT58 **Visit Date:** 1/26/2006 2:45 PM
Visit Comment: JIM ATKINSON // // Sunny, clear, windy, cold, mid 40's daytime high. Mix of sun, clouds, warm & cold days, rain Sunday night & Tuesday night, but light.

Activity: 060126144501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.71	Detected and Quantified	F	Actual				2/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	58.6072 µeq/L	Detected and Quantified	F	Actual				2/16/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	15.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/6/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	50.67142 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	31.39684 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	55.31378 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	8.45232 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	136.419 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	46.59232 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	23.06077 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	145.84086 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	128.30079 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.87973	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06012614450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4 °C	Detected and Quantified	F	Actual				1/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0601261445S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Present <QL	*Present <QL	F	Actual	0.172339614 mg/l	0.548039971 mg/l		3/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.4012.												
Non-filterable Residue	0.70211 mg/l	Detected and Quantified	F	Actual	0.179602815 mg/l	0.571136951 mg/l		3/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park

Project ID: VTSSS **Station ID:** VT58 **Visit Date:** 4/26/2006 3:15 PM

Visit Comment: JIM ATKINSON // High use area associated with Old Rag hikers. No one observed on or in the stream today. // Partly cloudy, cool, mid 60s. Rain during the evening of 4/25/06; rain most of the day 4/22/06.

Activity: 060426151501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.21	Detected and Quantified	F	Actual				5/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	73.6055 µeq/L	Detected and Quantified	F	Actual				5/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	62.72873 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	37.97781 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	63.85003 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	10.82502 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	150.545 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	49.54354 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	21.96666 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	175.38809 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_2PT_IC2_GRAB	145.1562 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_GRAB	0.82763	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Activity: 060426151501 **Activity Type:** Quality Control Sample-Field Replicate **Activity Depth:** **Relative Depth:** **Replicate #:** 1

Custody ID: **Person(s):** **QC Sample?:** Yes

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.24	Detected and Quantified	F	Actual				5/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	74.68254 µeq/L	Detected and Quantified	F	Actual				5/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	62.08468 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	37.63753 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	63.5827 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	10.67297 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	150.761 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	0.53501 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	49.9392 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Cl_Ions_Grab	22.08414 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L			7/12/2007			
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	173.98438 µeq/L	Detected and Quantified	F	Actual					2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC2_GRAB	147.24089 µeq/L	Detected and Quantified	F	Actual					2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.84629	Detected and Quantified	F	Actual					2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06042615150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12 °C	Detected and Quantified	F	Actual				4/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0604261515S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	0.6 mg/l	Detected and Quantified	F	Actual	0.172339614 mg/l	0.548039971 mg/l		7/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Non-filterable Residue	1.7 mg/l	Detected and Quantified	F	Actual	0.179602815 mg/l	0.571136951 mg/l		7/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0604261515S1 **Activity Type:** Quality Control Sample-Field Replicate **Activity Depth:** **Relative Depth:** **Replicate #:** 1
Custody ID: **Person(s):** **QC Sample?:** Yes

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Present <QL	*Present <QL	F	Actual	0.172339614 mg/l	0.548039971 mg/l		7/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Result Comment: Reported value of 0.45.

Non-filterable Residue	1.8 mg/l	Detected and Quantified	F	Actual	0.179602815 mg/l	0.571136951 mg/l		7/11/2006			
Dilution: N	*Recovery:* N	*Correction:* N									

Organization: Shenandoah National Park

Project ID: VTSSS **Station ID:** VT58 **Visit Date:** 7/27/2006 12:50 PM

Visit Comment: JIM ATKINSON // High use area associated wiht Old Rag hiking. Multiple backcountry campsites along stream. // Hot, humid, clearing, partly cloudy. Hot, humid, some clouds, rain late last week and over the weekend.

Activity: 060727125001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.55	Detected and Quantified	F	Actual				8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	118.54749 µeq/L	Detected and Quantified	F	Actual				8/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	69.602 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	39.96372 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	65.58166 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	11.91007 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	165.502 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	32.37427 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	20.96407 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	187.06395 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	171.92633 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.91908	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06072712500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	22 °C	Detected and Quantified	F	Actual				7/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 060727125OS1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	0.95 mg/l	Detected and Quantified	F	Actual	0.172339614 mg/l	0.548039971 mg/l		10/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Non-filterable Residue	1.95 mg/l	Detected and Quantified	F	Actual	0.179602815 mg/l	0.571136951 mg/l		10/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: VTSSS **Station ID:** VT58 **Visit Date:** 10/25/2006 2:36 PM
Visit Comment: DAVID DEMAREST
// //Partly cloudy

Activity: 061025143601 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.8164	Detected and Quantified	F	Actual				10/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.99	Detected and Quantified	F	Actual				10/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	99.34843 µeq/L	Detected and Quantified	F	Actual				10/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	95.36542 µeq/L	Detected and Quantified	F	Actual				11/16/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	18.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/27/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	61.20133 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	38.5685 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	60.11051 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	10.56303 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	153.185 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	42.93115 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	22.5439 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	170.44987 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	160.88097 µeq/L	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.94386	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_MET_IC2_GRAB	164.86398 µeq/L	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_MET_IC2_GRAB	0.96723	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06102514360F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8.5 °C	Detected and Quantified	F	Actual				10/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 061025143 6S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Present <QL	*Present <QL	F	Actual	0.172339614 mg/l	0.548039971 mg/l		3/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.5.												
Non-filterable Residue	*Present <QL	*Present <QL	F	Actual	0.179602815 mg/l	0.571136951 mg/l		3/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.55.												

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: VTSSS **Station ID:** VT61 **Visit Date:** 1/31/2005 2:15 PM
Visit Comment: SHANE SPITZER // // Cold, clear Cold, snow

Activity: 050131141501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.16	Detected and Quantified	F	Actual				2/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	186.2 µeq/L	Detected and Quantified	F	Actual				2/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	37.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/3/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	133.233 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	121.063 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	86.608 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	7.373 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	226.49 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	17.71 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	79.81 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	31.499 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	348.277 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	315.219 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.90508	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05013114150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	1.3 °C	Detected and Quantified	F	Actual				1/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0501311415S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	1.05 mg/l	Detected and Quantified	F	Actual	0.172339614 mg/l	0.548039971 mg/l		4/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Non-filterable Residue	*Present <QL	*Present <QL	F	Actual	0.179602815 mg/l	0.571136951 mg/l		4/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.45.												

Organization: Shenandoah National Park
Project ID: VTSSS **Station ID:** VT61 **Visit Date:** 4/29/2005 9:15 AM
Visit Comment: SHANE SPITZER // // Cool, cloudy

Activity: 050429091501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.35	Detected and Quantified	F	Actual				5/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	270.4 µeq/L	Detected and Quantified	F	Actual				5/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	42.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	5/5/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	162.973 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	142.214 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	103.052 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	9.805 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	241.58 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	3.832 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	74.485 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	31.387 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	418.044 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	380.104 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.90924	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05042909150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9.6 °C	Detected and Quantified	F	Actual				4/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 050429091551 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	0.6 mg/l	Detected and Quantified	F	Actual	0.172339614 mg/l	0.548039971 mg/l		7/18/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Non-filterable Residue	1.3 mg/l	Detected and Quantified	F	Actual	0.179602815 mg/l	0.571136951 mg/l		7/18/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: VTSSS **Station ID:** VT61 **Visit Date:** 7/31/2005 11:10 AM
Visit Comment: SHANE SPITZER // // Hot, sunny Some thunderstorms

Activity: 050731111001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.47	Detected and Quantified	F	Actual				8/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	418.6 µeq/L	Detected and Quantified	F	Actual				8/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	51.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/12/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	205.838 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	168.715 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	126.628 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	13.21 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	300.228 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.032.							
SO4_IC_Grab	53.851 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	29.356 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	514.391 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	501.9075 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.97573	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05073111100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	21.5 °C	Detected and Quantified	F	Actual				7/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0507311110S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	0.82773 mg/l	Detected and Quantified	F	Actual	0.172339614 mg/l	0.548039971 mg/l		9/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Non-filterable Residue	2.06932 mg/l	Detected and Quantified	F	Actual	0.179602815 mg/l	0.571136951 mg/l		9/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park

Project ID: VTSSS **Station ID:** VT61 **Visit Date:** 10/27/2005 8:15 AM

Visit Comment: JIM ATKINSON // Hydrolab data: pH-7.46, DO-12.71, cond-45.0 // Sunny, clear, mid to upper 30s at sample time Three rain days within the past week-10/21, 10/22 & 10/25

Activity: 051027081501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.88	Detected and Quantified	F	Actual				11/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	308.52442 µeq/L	Detected and Quantified	F	Actual				12/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	47.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/2/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	185.65585 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	166.54355 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		12/13/2007				
Dilution: Y	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	106.08052 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		12/13/2007				
Dilution: Y	*Recovery:* N	*Correction:* N										
K_Ions_Grab	12.25158 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	251.756 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	0.7529 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	106.50242 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	38.97257 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	470.538 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC2_GRAB	454.75231 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.96645	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05102708150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8.7 °C	Detected and Quantified	F	Actual				10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 051027081S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Present <QL	*Present <QL	F	Actual	0.172339614 mg/l	0.548039971 mg/l		1/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.4.												
Non-filterable Residue	1 mg/l	Detected and Quantified	F	Actual	0.179602815 mg/l	0.571136951 mg/l		1/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: VTSSS **Station ID:** VT61 **Visit Date:** 1/26/2006 1:20 PM
Visit Comment: JIM ATKINSON // // Sunny, clear, windy, cold, mid 40's daytime high. Mix of sun, clouds, warm & cold days, rain Sunday night & Tuesday night, but light.

Activity: 060126132001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.65	Detected and Quantified	F	Actual				2/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	216.08985 µeq/L	Detected and Quantified	F	Actual			2/16/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	39.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	2/6/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	144.62823 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	136.03044 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	92.03002 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	12/13/2007
Dilution: Y	*Recovery:* N	*Correction:* N					
K_Ions_Grab	8.00934 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	223.718 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	0.53704 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	7.30914 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	97.17878 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	34.55286 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	381.23507 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	355.13063 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.93153	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06012613200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6 °C	Detected and Quantified	F	Actual				1/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0601261320S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Present <QL	*Present <QL	F	Actual	0.172339614 mg/l	0.548039971 mg/l		3/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.3.												
Non-filterable Residue	0.65 mg/l	Detected and Quantified	F	Actual	0.179602815 mg/l	0.571136951 mg/l		3/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: VTSSS **Station ID:** VT61 **Visit Date:** 4/26/2006 1:10 PM
Visit Comment: JIM ATKINSON // Flyfisherman in stream approx. 30 meters upstream of me at the time of the sample. Several cars along stream today. Some are morrell hunters and some are anglers. // Partly cloudy, cool, mid 60s. Rain during the evening of 4/25/06; rain most of the day 4/22/06.

Activity: 060426131001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.86	Detected and Quantified	F	Actual				5/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	275.40695 µeq/L	Detected and Quantified	F	Actual				5/8/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	43.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	166.84725 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	152.33461 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	104.02312 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/16/2007
Dilution: Y	*Recovery:* N	*Correction:* N					
K_Ions_Grab	10.02345 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	254.76 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	102.98454 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	32.84029 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	433.23493 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	411.27228 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.94931	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06042613100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12.5 °C	Detected and Quantified	F	Actual				4/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0604261310S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	0.95 mg/l	Detected and Quantified	F	Actual	0.172339614 mg/l	0.548039971 mg/l		7/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Non-filterable Residue	3.4 mg/l	Detected and Quantified	F	Actual	0.179602815 mg/l	0.571136951 mg/l		7/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: VTSSS **Station ID:** VT61 **Visit Date:** 7/26/2006 7:30 AM
Visit Comment: JIM ATKINSON // // Hot, humid, clouds, some rain late last week and over the weekend.

Activity: 060726073001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.08	Detected and Quantified	F	Actual				8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	427.95263 µeq/L	Detected and Quantified	F	Actual				8/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	51.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	219.55889 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	184.70178 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/24/2007				
Dilution: Y	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	121.51369 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/24/2007				
Dilution: Y	*Recovery:* N	*Correction:* N										
K_Ions_Grab	12.30597 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	293.737 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	57.92964 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	29.90118 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	538.08683 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	515.82395 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.95863	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06072607300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	21 °C	Detected and Quantified	F	Actual				7/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0607260730S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	0.95 mg/l	Detected and Quantified	F	Actual	0.172339614 mg/l	0.548039971 mg/l		10/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Non-filterable Residue	2.1 mg/l	Detected and Quantified	F	Actual	0.179602815 mg/l	0.571136951 mg/l		10/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: VTSSS **Station ID:** VT61 **Visit Date:** 10/25/2006 1:19 PM
Visit Comment: DAVID DEMAREST
// //Partly cloudy

Activity: 061025131901 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	7.2686	Detected and Quantified	F	Actual				10/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	7.47	Detected and Quantified	F	Actual				10/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	352.2646 µeq/L	Detected and Quantified	F	Actual				10/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	346.02005 µeq/L	Detected and Quantified	F	Actual				10/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	47.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/27/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	187.14585 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	166.08693 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	102.7718 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/1/2007				
Dilution: Y	*Recovery:* N	*Correction:* N										
K_Ions_Grab	12.04514 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	249.963 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/9/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	0.93212 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	74.6285 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	36.15483 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	468.05622 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	457.7355 µeq/L	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.97795	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_MET_IC2_GRAB	463.98005 µeq/L	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_MET_IC2_GRAB	0.99129	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06102513190F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8.9 °C	Detected and Quantified	F	Actual				10/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 061025131 9S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Present <QL	*Present <QL	F	Actual	0.172339614 mg/l	0.548039971 mg/l		3/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.20661.												
Non-filterable Residue	*Present <QL	*Present <QL	F	Actual	0.179602815 mg/l	0.571136951 mg/l		3/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.30992.												

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: VTSSS **Station ID:** VT62 **Visit Date:** 1/25/2005 8:40 AM
Visit Comment: SHANE SPITZER // // Cold, cloudy Cold, some snow

Activity: 050125084001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.77	Detected and Quantified	F	Actual				1/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	65.3 µeq/L	Detected and Quantified	F	Actual				2/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/27/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	53.493 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	39.422 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	59.856 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	8.781 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	157.966 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	5.249 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	38.563 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	25.154 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	161.552 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	134.266 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.8311	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05012508400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	0.7 °C	Detected and Quantified	F	Actual				1/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0501250840S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Present <QL	*Present <QL	F	Actual	0.172339614 mg/l	0.548039971 mg/l		4/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.2.												
Non-filterable Residue	*Present <QL	*Present <QL	F	Actual	0.179602815 mg/l	0.571136951 mg/l		4/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.45.												

Organization: Shenandoah National Park
Project ID: VTSSS **Station ID:** VT62 **Visit Date:** 4/29/2005 10:00 AM
Visit Comment: SHANE SPITZER // // Cool, light sprinkle

Activity: 050429100001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.99	Detected and Quantified	F	Actual				5/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	91.9 µeq/L	Detected and Quantified	F	Actual			5/10/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	18.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	5/5/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	59.231 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	42.961 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	63.38 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	11.264 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	160.007 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	35.693 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	24.421 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	176.836 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	152.1145 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.8602	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05042910000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9.7 °C	Detected and Quantified	F	Actual				4/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0504291000S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	1.15 mg/l	Detected and Quantified	F	Actual	0.172339614 mg/l	0.548039971 mg/l		7/18/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Non-filterable Residue	2.35 mg/l	Detected and Quantified	F	Actual	0.179602815 mg/l	0.571136951 mg/l		7/18/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: VTSSS **Station ID:** VT62 **Visit Date:** 7/31/2005 10:40 AM
Visit Comment: SHANE SPITZER // // Hot, sunny Some thunderstorms

Activity: 050731104001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.01	Detected and Quantified	F	Actual				8/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	131.9 µeq/L	Detected and Quantified	F	Actual				8/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	22.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/12/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	74.301 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_AA_Grab	51.273 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	73.994 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	13.312 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	181.372 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.032.							
SO4_IC_Grab	28.267 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	24.957 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	212.88 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	185.2245 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.87009	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05073110400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	21.5 °C	Detected and Quantified	F	Actual				7/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0507311040S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	1.6285 mg/l	Detected and Quantified	F	Actual	0.172339614 mg/l	0.548039971 mg/l		9/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Non-filterable Residue	3.56234 mg/l	Detected and Quantified	F	Actual	0.179602815 mg/l	0.571136951 mg/l		9/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: VTSSS **Station ID:** VT62 **Visit Date:** 10/27/2005 9:10 AM
Visit Comment: JIM ATKINSON // Hydrolab data: pH-7.20, DO-13.23, cond-17.5 // Sunny, clear, upper 30s at sample time Three rain days within the past week-10/21, 10/22 & 10/25

Activity: 051027091001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.86	Detected and Quantified	F	Actual				11/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	96.10297 µeq/L	Detected and Quantified	F	Actual				12/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	20.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/2/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	68.36628 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	50.60297 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	65.33682 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	12.74283 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	166.747 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	46.8192 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	28.3456 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	197.0554 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	171.30827 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.86934	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05102709100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	7.2 °C	Detected and Quantified	F	Actual				10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 051027091OS1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	0.6 mg/l	Detected and Quantified	F	Actual	0.172339614 mg/l	0.548039971 mg/l		1/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Non-filterable Residue	1.05 mg/l	Detected and Quantified	F	Actual	0.179602815 mg/l	0.571136951 mg/l		1/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park

Project ID: VTSSS **Station ID:** VT62 **Visit Date:** 1/26/2006 2:05 PM

Visit Comment: JIM ATKINSON // // Sunny, clear, windy, cold, mid 40's daytime high. Mix of sun, clouds, warm & cold days, rain Sunday night & Tuesday night, but light.

Activity: 060126140501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.64	Detected and Quantified	F	Actual				2/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	70.36805 µeq/L	Detected and Quantified	F	Actual				2/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	17.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/6/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	52.01526 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	38.31032 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	59.57694 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	8.95706 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	150.396 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	42.50709 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	26.61273 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	158.86608 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	139.52837 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.87828	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06012614050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	3 °C	Detected and Quantified	F	Actual				1/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0601261405S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Present <QL	*Present <QL	F	Actual	0.172339614 mg/l	0.548039971 mg/l		3/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.3.												
Non-filterable Residue	*Present <QL	*Present <QL	F	Actual	0.179602815 mg/l	0.571136951 mg/l		3/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.5.												

Organization: Shenandoah National Park
Project ID: VTSSS **Station ID:** VT62 **Visit Date:** 4/26/2006 2:25 PM
Visit Comment: JIM ATKINSON // // Partly cloudy, cool, mid 60s. Rain during the evening of 4/25/06; rain most of the day 4/22/06.

Activity: 060426142501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.39	Detected and Quantified	F	Actual				5/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	91.10353 µeq/L	Detected and Quantified	F	Actual			5/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	20.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	5/2/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	63.85405 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	45.29673 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	67.41155 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	11.05671 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	165.336 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	50.59615 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	24.51593 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	187.62554 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	166.25611 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.88611	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06042614250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12 °C	Detected and Quantified	F	Actual				4/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0604261425S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	1 mg/l	Detected and Quantified	F	Actual	0.172339614 mg/l	0.548039971 mg/l		7/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Non-filterable Residue	2.65 mg/l	Detected and Quantified	F	Actual	0.179602815 mg/l	0.571136951 mg/l		7/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: VTSSS **Station ID:** VT62 **Visit Date:** 7/26/2006 12:30 PM
Visit Comment: JIM ATKINSON // // Hot, humid, clouds, some rain late last week and over the weekend.

Activity: 060726123001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.58	Detected and Quantified	F	Actual				8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	123.54686 µeq/L	Detected and Quantified	F	Actual				8/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	67.26421 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_Grab	45.86607 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	68.18191 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	11.10697 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	178.765 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	25.72247 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	24.94396 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	192.42566 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	174.25379 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.90556	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06072612300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	23 °C	Detected and Quantified	F	Actual				7/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0607261230S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	1.35 mg/l	Detected and Quantified	F	Actual	0.172339614 mg/l	0.548039971 mg/l		10/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Non-filterable Residue	2.6 mg/l	Detected and Quantified	F	Actual	0.179602815 mg/l	0.571136951 mg/l		10/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: VTSSS **Station ID:** VT62 **Visit Date:** 10/25/2006 1:56 PM
Visit Comment: DAVID DEMAREST
// //Partly cloudy

Activity: 061025135601 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.828	Detected and Quantified	F	Actual				10/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.98	Detected and Quantified	F	Actual				10/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	108.63661 µeq/L	Detected and Quantified	F	Actual				10/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	104.50994 µeq/L	Detected and Quantified	F	Actual				11/16/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	19 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/27/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	60.22162 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	45.11402 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Na_Ions_Grab	64.0654 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	12.34871 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	168.706 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	36.42258 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	27.99698 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	181.75625 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	168.97 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.92965	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	173.09667 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.95236	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06102513560F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	7.8 °C	Detected and Quantified	F	Actual				10/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 061025135 6S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Present <QL	*Present <QL	F	Actual	0.172339614 mg/l	0.548039971 mg/l		3/15/2007				
Dilution: N *Recovery:* N *Correction:* N												
Result Comment: Reported value of 0.4.												
Non-filterable Residue	*Present <QL	*Present <QL	F	Actual	0.179602815 mg/l	0.571136951 mg/l		3/15/2007				
Dilution: N *Recovery:* N *Correction:* N												
Result Comment: Reported value of 0.4.												

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT63 **Visit Date:** 1/27/2005 11:15 AM
Visit Comment: MARVIN GILBERT // // Sunny and cold Winter mix - snow/sleet/rain/cold

Activity: 050127111501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.71	Detected and Quantified	F	Actual				2/2/2005				
Dilution: N *Recovery:* N *Correction:* N												
ANC_Manual_Grab	76.8 µeq/L	Detected and Quantified	F	Actual				2/23/2005				
Dilution: N *Recovery:* N *Correction:* N												
Cond_VWR_Manual_Grab	14.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/2/2005				
Dilution: N *Recovery:* N *Correction:* Y												
Ca_AA_Grab	52.096 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N *Recovery:* N *Correction:* N												
Mg_AA_Grab	20.822 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N *Recovery:* N *Correction:* N												
Na_AA_Grab	52.722 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N *Recovery:* N *Correction:* N												

K_AA_Grab	6.554 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	135.705 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	25.397 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	21.235 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	132.194 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	123.5325 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.93448	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05012711150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	3 °C	Detected and Quantified	F	Actual				1/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT63 **Visit Date:** 4/25/2005 1:25 PM
Visit Comment: MARVIN GILBERT // // Partly cloudy Sunny, partly cloudy, rain, storms and snow showers at higher elevations on Sunday

Activity: 050425132501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.38	Detected and Quantified	F	Actual				5/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	77.9 µeq/L	Detected and Quantified	F	Actual			5/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	14.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	5/2/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	53.642 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	21.069 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	55.114 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	7.066 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	134.211 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	25.563 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	21.122 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	136.891 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	124.6855 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.91084	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05042513250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9 °C	Detected and Quantified	F	Actual				4/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT63 **Visit Date:** 7/26/2005 2:15 PM
Visit Comment: MARVIN GILBERT // // Hot & clear Partly cloudy with a few scattered thunderstorms

Activity: 050726141501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.91	Detected and Quantified	F	Actual				7/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	103.7 µeq/L	Detected and Quantified	F	Actual				8/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	15.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/29/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	62.175 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	23.455 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	57.898 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	8.09 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	141.349 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.048.												

SO4_IC_Grab	21.757 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_IC_Grab	20.304 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_AA_GRAB	151.618 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC1_GRAB	145.8615 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC1_AA_GRAB	0.96203	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 05072614150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	20.5 °C	Detected and Quantified	F	Actual				7/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT63 **Visit Date:** 10/26/2005 12:43 PM
Visit Comment: MARVIN GILBERT // Normal leaf litter // Partly cloudy Light rain on 10/20/05, snow showers on 10/24/05

Activity: 051026124301 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.76	Detected and Quantified	F	Actual				10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	85.42876 µeq/L	Detected and Quantified	F	Actual				12/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	15 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	58.39986 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_Grab	22.75629 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	57.69828 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	8.81413 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	141.183 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	22.72409 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	20.88062 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	147.67506 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	129.07397 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.87404	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05102612430F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10 °C	Detected and Quantified	F	Actual				10/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT63 **Visit Date:** 1/27/2006 1:30 PM
Visit Comment: MARVIN GILBERT // Box was lost in transit - mailed 1/30/06, received 2/8/06. // Clear Partly cloudy to rain

Activity: 060127133001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.08	Detected and Quantified	F	Actual				2/15/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	56.05545 µeq/L	Detected and Quantified	F	Actual				2/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	13.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/15/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	50.23846 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	19.66088 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	51.88326 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	6.0847 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	124.533 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	26.08319 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	21.05549 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	127.8738 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	103.23463 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.80732	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06012713300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	5 °C	Detected and Quantified	F	Actual				1/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT63 **Visit Date:** 4/26/2006 1:45 PM
Visit Comment: MARVIN GILBERT // // Cloudy, slight drizzle Clear with scattered showers and thunderstorms, 50/50

Activity: 060426134501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.39	Detected and Quantified	F	Actual				5/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	94.39251 µeq/L	Detected and Quantified	F	Actual				5/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	15.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	62.06199 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	22.96069 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	58.41622 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	8.48417 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	138.311 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	25.83637 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	20.72604 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	151.92957 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	140.99542 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.92803	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06042613450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	13 °C	Detected and Quantified	F	Actual				4/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT63 **Visit Date:** 7/28/2006 4:30 PM
Visit Comment: MARVIN GILBERT // // Partly cloudy Partly cloudy with scattered storms

Activity: 060728163001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.49	Detected and Quantified	F	Actual				8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	116.70877 µeq/L	Detected and Quantified	F	Actual			8/25/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	16.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	8/10/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	69.61609 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	24.63029 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	62.88502 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	10.03854 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	148.935 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	20.89294 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	21.1139 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	167.17644 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	158.75611 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.94963	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06072816300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	21 °C	Detected and Quantified	F	Actual				7/28/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT63 **Visit Date:** 10/26/2006 10:40 AM
Visit Comment: MARVIN GILBERT
//
Partly cloudy //Sunny

Activity: 061026104001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.8193	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.85	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	95.30343 µeq/L	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	81.16204 µeq/L	Detected and Quantified	F	Actual				12/1/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	14.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	52.01011 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	21.16005 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	54.4162 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_Grab	7.23753 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	134.775 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	24.16726 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	20.62698 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	134.83039 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	125.99678 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.93448	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	140.13817 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	1.03937	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06102610400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8 °C	Detected and Quantified	F	Actual				10/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT64 **Visit Date:** 1/27/2005 2:45 PM
Visit Comment: K. HICKMAN // // Clear, cold

Activity: 050127144501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.68	Detected and Quantified	F	Actual				2/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	49.4 µeq/L	Detected and Quantified	F	Actual				2/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	9.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/1/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	35.18 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	13.168 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	36.236 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	5.12 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	98.87 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.048.												
SO4_IC_Grab	11.024 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	18.499 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	89.704 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	79.0235 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.88094	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05012714450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	1 °C	Detected and Quantified	F	Actual				1/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT64 **Visit Date:** 4/25/2005 1:40 PM
Visit Comment: K. HICKMAN // // Partly cloudy, high low 60's Warm, low 80's until weekend cold rainy, snow flurries

Activity: 050425134001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.48	Detected and Quantified	F	Actual				5/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	41.1 µeq/L	Detected and Quantified	F	Actual				5/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	9.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/2/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	36.028 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	13.58 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	36.496 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	5.53 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	93.126 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.08.							
SO4_IC_Grab	12.459 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	17.822 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	91.634 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	71.4815 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.78008	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05042513400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9 °C	Detected and Quantified	F	Actual				4/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT64 **Visit Date:** 7/26/2005 1:30 PM
Visit Comment: KENNETH HICKMAN // // Highs mid 90's; scattered clouds; humidity 50%+ Highs mid to upper 80's with scattered showers

Activity: 050726133001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.8	Detected and Quantified	F	Actual				7/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	60.3 µeq/L	Detected and Quantified	F	Actual				8/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	9.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	7/29/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	36.726 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	13.25 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	38.019 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	5.12 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	106.97 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	8.902 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	17.005 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	93.115 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	86.3075 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.92689	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05072613300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	20 °C	Detected and Quantified	F	Actual				7/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT64 **Visit Date:** 10/24/2005 10:56 AM
Visit Comment: H. HUFFMAN // // Drizzly, cool Showers last week, cooling down

Activity: 051024105601 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.63	Detected and Quantified	F	Actual				10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	56.10748 µeq/L	Detected and Quantified	F	Actual				11/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	10.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	35.50439 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	12.50586 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	38.66291 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	6.93969 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	105.825 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	1.2698 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L						
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	10.8563 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	18.83292 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	94.88265 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	85.8372 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_GRAB	0.90467	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Activity: 051024105601 **Activity Type:** Quality Control Sample-Field Replicate **Activity Depth:** **Relative Depth:** **Replicate #:** 1

Custody ID: **Person(s):** **QC Sample?:** Yes

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.71	Detected and Quantified	F	Actual				10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	60.3691 µeq/L	Detected and Quantified	F	Actual				11/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	9.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	34.95907 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	12.72843 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	39.5151 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	7.38879 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	106.057 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	11.04151 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	18.94657 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	94.59789 µeq/L	Detected and Quantified	F	Actual				3/19/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC2_GRAB	90.39768 µeq/L	Detected and Quantified	F	Actual				3/19/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.9556	Detected and Quantified	F	Actual				3/19/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05102410560F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11 °C	Detected and Quantified	F	Actual				10/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT64 **Visit Date:** 1/25/2006 12:50 PM
Visit Comment: K. HICKMAN // //

Activity: 060125125001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.66	Detected and Quantified	F	Actual				2/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	47.49532 µeq/L	Detected and Quantified	F	Actual				2/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	8.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	31.98885 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	11.564 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	35.4962 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_Grab	5.13233 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	90.005 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	0.15922 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	12.13824 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	17.84411 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	84.3406 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	77.51817 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.91911	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06012512500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	5 °C	Detected and Quantified	F	Actual				1/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT64 **Visit Date:** 4/25/2006 11:40 AM
Visit Comment: JASON R. HERRON // Heavy use trail along creek // Sunny, warm Thunderstorms on Thursday & Saturday, otherwise clear & warm

Activity: 060425114001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.6	Detected and Quantified	F	Actual				5/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	58.66426 µeq/L	Detected and Quantified	F	Actual				5/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	10.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	42.08268 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	14.48802 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	38.80152 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	6.4541 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	96.894 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	15.69992 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	18.08896 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	101.83282 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	92.49364 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.90829	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06042511400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12.2 °C	Detected and Quantified	F	Actual				4/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT64 **Visit Date:** 7/25/2006 9:35 AM
Visit Comment: H. HUFFMAN // Old tag dug out of tree; lower tag gone. // Cool, chance of rain Hard to severe T-storms, lots of rain

Activity: 060725093501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.1	Detected and Quantified	F	Actual				8/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	61.10692 µeq/L	Detected and Quantified	F	Actual				8/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	11.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/9/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	45.99923 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	15.17333 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	39.98662 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	6.11894 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	109.925 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	10.38199 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	17.74994 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	107.28462 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	89.27935 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.83217	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06072509350F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	19 °C	Detected and Quantified	F	Actual				7/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT64 **Visit Date:** 10/25/2006 10:15 AM
Visit Comment: H. HUFFMAN //
//Cool, clear
Cold, windy

Activity: 061025101501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.6244	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.83	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	64.03471 µeq/L	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	60.3691 µeq/L	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	10 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	35.15681 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	13.49039 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	38.20745 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	6.57864 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	104.065 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	0.23556 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	0.62803 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	11.33119 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	18.61754 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	93.66885 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	90.94586 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.97093	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	94.61147 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	1.01006	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06102510150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	5 °C	Detected and Quantified	F	Actual				10/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT65 **Visit Date:** 1/27/2005 2:38 PM
Visit Comment: JASON R. HERRON // // Clear Snow, rain, freezing rain

Activity: 050127143801 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.7	Detected and Quantified	F	Actual				2/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	55.3 µeq/L	Detected and Quantified	F	Actual				2/21/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	11.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	2/1/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	40.918 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	14.156 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	42.848 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	5.427 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	113.395 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	22.318 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	18.048 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	103.349 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	95.7665 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.92663	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05012714380F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	1.7 °C	Detected and Quantified	F	Actual				1/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT65 **Visit Date:** 4/25/2005 1:20 PM
Visit Comment: K. HICKMAN // // Partly cloudy, high in 60's Warm, low 80's until weekend cold rainy, snow flurries

Activity: 050425132001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.23	Detected and Quantified	F	Actual				5/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	54.7 µeq/L	Detected and Quantified	F	Actual				5/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	12.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/2/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	45.559 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	15.472 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	43.5 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	5.939 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	111.253 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.08.												
SO4_IC_Grab	24.648 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	17.597 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	110.47 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	97.0455 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.87848	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05042513200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8 °C	Detected and Quantified	F	Actual				4/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT65 **Visit Date:** 7/26/2005 1:20 PM
Visit Comment: KENNETH HICKMAN // // Highs mid 90's; scattered clouds; humidity 50%+ Highs mid to upper 80's with scattered showers

Activity: 050726132001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.74	Detected and Quantified	F	Actual				7/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	72.8 µeq/L	Detected and Quantified	F	Actual				8/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	12.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/29/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	50.1 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	16.048 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	46.632 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	6.298 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	125.081 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	19.49 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	16.779 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	119.078 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	109.1695 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.91679	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05072613200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18 °C	Detected and Quantified	F	Actual				7/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT65 **Visit Date:** 10/24/2005 11:07 AM
Visit Comment: H. HUFFMAN // // Drizzly, cool Showers last week, cooling down

Activity: 051024110701 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.27	Detected and Quantified	F	Actual				10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	63.60663 µeq/L	Detected and Quantified	F	Actual				11/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	12.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	10/31/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	46.71351 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	13.84375 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	46.2803 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	6.83898 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	121.363 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	22.39953 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	17.9288 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	113.68304 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	103.97546 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.91461	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05102411070F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11 °C	Detected and Quantified	F	Actual				10/24/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT65 **Visit Date:** 1/25/2006 12:40 PM
Visit Comment: K. HICKMAN // //

Activity: 060125124001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.61	Detected and Quantified	F	Actual				2/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	51.10805 µeq/L	Detected and Quantified	F	Actual				2/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	11.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	43.05787 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	14.06838 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	41.7365 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	5.54265 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	106.273 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	23.99094 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	17.67888 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	104.4119 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC2_GRAB	92.81837 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.88896	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06012512400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4 °C	Detected and Quantified	F	Actual				1/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT65 **Visit Date:** 4/25/2006 11:26 AM
Visit Comment: JASON R. HERRON // Near rec. area // Sunny, warm Thunderstorms on Thursday & Saturday, warm & clear otherwise

Activity: 060425112601 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.31	Detected and Quantified	F	Actual				5/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	65.31065 µeq/L	Detected and Quantified	F	Actual				5/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	13.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	51.79995 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	16.53563 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	47.45801 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_Grab	6.92571 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	115.387 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	14.19083 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	17.52844 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	122.7258 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	97.07042 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.79095	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06042511260F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12.2 °C	Detected and Quantified	F	Actual				4/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT65 **Visit Date:** 7/25/2006 9:30 AM
Visit Comment: H. HUFFMAN // // Cool, chance of rain Hard to severe T-storms, lots of rain

Activity: 060725093001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.32	Detected and Quantified	F	Actual				8/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	84.39356 µeq/L	Detected and Quantified	F	Actual				8/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	13.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/9/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	59.32724 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	17.84711 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	48.75634 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	7.24069 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	128.185 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	0.257 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	20.27827 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	17.00064 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	133.42838 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	121.71297 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.9122	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06072509300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	19 °C	Detected and Quantified	F	Actual				7/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT65 **Visit Date:** 10/25/2006 10:30 AM
Visit Comment: H. HUFFMAN //
//Cool, clear
Cold, windy

Activity: 061025103001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.5294	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.68	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	63.08249 µeq/L	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	55.36963 µeq/L	Detected and Quantified	F	Actual				11/20/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	11.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	42.47877 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_Ions_Grab	14.08414 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	43.33005 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	5.99524 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	115.204 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	22.29432 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	17.86973 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	105.8947 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	95.57418 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.90254	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	103.28704 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.97537	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06102510300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	5 °C	Detected and Quantified	F	Actual				10/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: VTSSS **Station ID:** VT66 **Visit Date:** 1/25/2005 11:15 AM
Visit Comment: SHANE SPITZER // // Cold, cloudy Cold, snow

Activity: 050125111501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.97	Detected and Quantified	F	Actual				1/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	105.3 µeq/L	Detected and Quantified	F	Actual				2/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	25 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/27/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	97.954 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	76.128 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	51.243 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	4.122 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	140.403 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	17.372 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	53.768 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	29.243 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	229.447 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	205.683 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.89643	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05012511150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	1.2 °C	Detected and Quantified	F	Actual				1/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0501251115S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Present <QL	*Present <QL	F	Actual	0.172339614 mg/l	0.548039971 mg/l		4/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.2.												
Non-filterable Residue	*Present <QL	*Present <QL	F	Actual	0.179602815 mg/l	0.571136951 mg/l		4/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.4.												

Organization: Shenandoah National Park
Project ID: VTSSS **Station ID:** VT66 **Visit Date:** 4/29/2005 11:10 AM
Visit Comment: SHANE SPITZER // // Cool, sprinkling

Activity: 050429111001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.16	Detected and Quantified	F	Actual				5/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	146.2 µeq/L	Detected and Quantified	F	Actual				5/10/2005
Dilution: N	*Recovery:* N	*Correction:* N						
Cond_VWR_Manual_Grab	28.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/5/2005
Dilution: N	*Recovery:* N	*Correction:* Y						
Ca_AA_Grab	116.666 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Mg_AA_Grab	86.415 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Na_AA_Grab	58.16 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N						
K_AA_Grab	5.043 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SiO2_TC_Grab	144.304 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N						
NO3_IC_Grab	9.113 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_IC_Grab	53.352 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_IC_Grab	31.443 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_AA_GRAB	266.284 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC1_GRAB	240.108 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC1_AA_GRAB	0.9017	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 05042911100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9.6 °C	Detected and Quantified	F	Actual				4/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0504291110S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Present <QL	*Present <QL	F	Actual	0.172339614 mg/l	0.548039971 mg/l		7/18/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.4.												
Non-filterable Residue	0.6 mg/l	Detected and Quantified	F	Actual	0.179602815 mg/l	0.571136951 mg/l		7/18/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: VTSSS **Station ID:** VT66 **Visit Date:** 7/31/2005 8:45 AM
Visit Comment: SHANE SPITZER // // Hot, sunny Some thunderstorms

Activity: 050731084501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.24	Detected and Quantified	F	Actual				8/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	188.5 µeq/L	Detected and Quantified	F	Actual				8/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	32.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/12/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	136.926 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	99.501 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	68.295 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	5.427 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	163.444 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	7.551 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	45.406 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	29.892 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/13/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	310.149 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	271.349 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.8749	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05073108450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	20 °C	Detected and Quantified	F	Actual				7/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0507310845S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Present <QL	*Present <QL	F	Actual	0.172339614 mg/l	0.548039971 mg/l		9/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.35.												
Non-filterable Residue	0.8 mg/l	Detected and Quantified	F	Actual	0.179602815 mg/l	0.571136951 mg/l		9/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park

Project ID: VTSSS **Station ID:** VT66 **Visit Date:** 10/27/2005 12:25 PM

Visit Comment: JIM ATKINSON // Hydrolab data: pH-7.40, DO-12.47, cond-26.2 // Sunny, clear, upper 40s at sample time Three rain days within the past week-10/21, 10/22 & 10/25

Activity: 051027122501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.61	Detected and Quantified	F	Actual				11/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	156.09634 µeq/L	Detected and Quantified	F	Actual				12/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	28.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/2/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	123.1045 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	88.66213 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	58.52368 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	4.89367 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	151.226 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	4.27249 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	64.61335 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	30.04881 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	279.45647 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC2_GRAB	250.799 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.89745	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05102712250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9.1 °C	Detected and Quantified	F	Actual				10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 051027122 5S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Present <QL	*Present <QL	F	Actual	0.172339614 mg/l	0.548039971 mg/l		1/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.3.												
Non-filterable Residue	0.7 mg/l	Detected and Quantified	F	Actual	0.179602815 mg/l	0.571136951 mg/l		1/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park

Project ID: VTSSS **Station ID:** VT66 **Visit Date:** 1/30/2006 9:10 AM

Visit Comment: JIM ATKINSON // Light use on trail/road this time of year. // Sunny, clear, calm, no wind, mid-40's at sample time. Mix of warm & cold days, rain Sunday the 29th & Tuesday the 24th.

Activity: 060130091001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.85	Detected and Quantified	F	Actual				2/7/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	121.15814 µeq/L	Detected and Quantified	F	Actual				2/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	25.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/7/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	105.0585 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	79.72793 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	55.72233 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	4.33331 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	139.838 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	0.27325 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	5.02041 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	54.05704 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	32.2252 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	245.11532 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC2_GRAB	212.46079 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.86678	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06013009100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6 °C	Detected and Quantified	F	Actual				1/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0601300910S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Non-detect	*Non-detect	F	Actual	0.172339614 mg/l	0.548039971 mg/l		3/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.15136.												
Non-filterable Residue	*Present <QL	*Present <QL	F	Actual	0.179602815 mg/l	0.571136951 mg/l		3/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.35318.												

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park

Project ID: VTSSS **Station ID:** VT66 **Visit Date:** 4/27/2006 8:15 AM

Visit Comment: JIM ATKINSON // One other car in the parking area this morning. Unsure whether an angler or a morrell hunter. // Sunny, clear, cool. Rain during the evening of 4/25/06; rain most of the day 4/22/06.

Activity: 060427081501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.73	Detected and Quantified	F	Actual				5/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	136.0453 µeq/L	Detected and Quantified	F	Actual				5/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	29.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/2/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	120.34028 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	91.84149 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	61.28218 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	4.91372 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	154.895 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	8.01918 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	65.66277 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	28.37838 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	278.38417 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC2_GRAB	238.10563 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.85531	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06042708150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10.5 °C	Detected and Quantified	F	Actual				4/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 060427080815S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Non-detect	*Non-detect	F	Actual	0.172339614 mg/l	0.548039971 mg/l		7/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.15.												
Non-filterable Residue	0.7 mg/l	Detected and Quantified	F	Actual	0.179602815 mg/l	0.571136951 mg/l		7/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park

Project ID: VTSSS **Station ID:** VT66 **Visit Date:** 7/27/2006 2:30 PM

Visit Comment: JIM ATKINSON // Popular horse/hiking trail along stream. Popular angling stream. // Hot, humid, approaching T-storm. Hot, humid, some clouds, rain late last week and over the weekend.

Activity: 060727143001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.81	Detected and Quantified	F	Actual				8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	205.41481 µeq/L	Detected and Quantified	F	Actual				8/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	30.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	135.39771 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	98.50153 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	65.80232 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	5.12112 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	159.958 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	2.81171 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	47.42171 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	31.89541 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	307.63439 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC2_GRAB	284.77243 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.92568	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06072714300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	21 °C	Detected and Quantified	F	Actual				7/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 060727143OS1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Present <QL	*Present <QL	F	Actual	0.172339614 mg/l	0.548039971 mg/l		10/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.5.												
Non-filterable Residue	0.85 mg/l	Detected and Quantified	F	Actual	0.179602815 mg/l	0.571136951 mg/l		10/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: VTSSS **Station ID:** VT66 **Visit Date:** 10/25/2006 3:52 PM
Visit Comment: DAVID DEMAREST
// //Partly cloudy

Activity: 061025155201 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	7.0485	Detected and Quantified	F	Actual				10/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	7.22	Detected and Quantified	F	Actual				10/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	170.31906 µeq/L	Detected and Quantified	F	Actual				10/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	162.85846 µeq/L	Detected and Quantified	F	Actual				11/16/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	27 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/27/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	112.14078 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	86.07846 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	57.17744 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	4.95829 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	142.926 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	0.80975 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	47.91144 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	34.29845 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	260.36147 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	245.8781 µeq/L	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.94437	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_MET_IC2_GRAB	253.3387 µeq/L	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_MET_IC2_GRAB	0.97303	Detected and Quantified	F	Actual				4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06102515520F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9 °C	Detected and Quantified	F	Actual				10/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0610251552S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Present <QL	*Present <QL	F	Actual	0.172339614 mg/l	0.548039971 mg/l		3/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.25.												
Non-filterable Residue	*Non-detect	*Non-detect	F	Actual	0.179602815 mg/l	0.571136951 mg/l		3/15/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.05.												

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT67 **Visit Date:** 1/26/2005 11:00 AM
Visit Comment: C. KIRK // New beaver pond // P. cloudy, warmer, 8 C Snow, rain, -0 temps.

Activity: 050126110001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.37	Detected and Quantified	F	Actual				2/7/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	32.1 µeq/L	Detected and Quantified	F	Actual				2/23/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	8.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/7/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	15.968 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	20.164 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	30.493 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	5.274 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	83.266 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.048.												
SO4_IC_Grab	14.31 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	20.248 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	71.899 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	66.7585 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.9285	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05012611000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4.5 °C	Detected and Quantified	F	Actual				1/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT67 **Visit Date:** 4/25/2005 11:38 AM
Visit Comment: GEORGE PALMER // // Clear, windy Some rain & cloudy

Activity: 050425113801 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.47	Detected and Quantified	F	Actual				5/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	32.8 µeq/L	Detected and Quantified	F	Actual				5/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/5/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	18.812 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	22.468 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	33.321 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	5.478 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	81.357 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	18.741 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	19.007 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	80.079 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	70.6485 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.88224	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05042511380F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8.9 °C	Detected and Quantified	F	Actual				4/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT67 **Visit Date:** 7/26/2005 8:00 AM
Visit Comment: VDGIF // // Hot, sunny Hot

Activity: 050726080001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.24	Detected and Quantified	F	Actual				8/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	36.9 µeq/L	Detected and Quantified	F	Actual				8/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	8.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	8/3/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	20.11 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	22.962 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	30.624 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	4.71 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	86.984 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	14.394 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	19.966 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	78.406 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	71.3605 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.91014	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05072608000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	15 °C	Detected and Quantified	F	Actual				7/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT67 **Visit Date:** 10/25/2005 2:30 PM
Visit Comment: W.B. KITTRELL // // Cold, partly cloudy, windy Warm, some rain

Activity: 051025143001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.49	Detected and Quantified	F	Actual				10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	40.37123 µeq/L	Detected and Quantified	F	Actual				11/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	9.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	18.31203 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	21.20259 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	37.35196 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	6.84826 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	96.131 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L						
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L						
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	16.108 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	19.32298 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	83.72134 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	75.84271 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_GRAB	0.90589	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Activity: 051025143001 **Activity Type:** Quality Control Sample-Field Replicate **Activity Depth:** **Relative Depth:** **Replicate #:** 1

Custody ID: **Person(s):** **QC Sample?:** Yes

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.44	Detected and Quantified	F	Actual				10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	40.37123 µeq/L	Detected and Quantified	F	Actual				11/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	18.77857 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	21.68932 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	36.91338 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	7.37616 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	95.184 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	16.23122 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	19.32407 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	84.76393 µeq/L	Detected and Quantified	F	Actual				3/19/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC2_GRAB	75.96702 µeq/L	Detected and Quantified	F	Actual				3/19/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.89622	Detected and Quantified	F	Actual				3/19/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05102514300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10 °C	Detected and Quantified	F	Actual				10/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT67 **Visit Date:** 1/25/2006 11:33 AM
Visit Comment: GEORGE PALMER // // Clear, windy Rainy, windy

Activity: 060125113301 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.47	Detected and Quantified	F	Actual				2/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	34.39889 µeq/L	Detected and Quantified	F	Actual				2/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	9.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/6/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	19.14328 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	23.01073 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	34.48275 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_Grab	5.86711 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	87.05 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	20.85684 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	20.00035 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	82.51037 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	75.29658 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.91257	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06012511330F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	5 °C	Detected and Quantified	F	Actual				1/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT67 **Visit Date:** 4/24/2006 1:35 PM
Visit Comment: GEORGE PALMER // // Some clouds, some rain Rain, cloudy

Activity: 060424133501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.65	Detected and Quantified	F	Actual				5/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	48.66526 µeq/L	Detected and Quantified	F	Actual				5/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	9.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	25.41686 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	25.28981 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	37.50534 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	6.25941 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	86.088 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	16.40285 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	19.09383 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	94.47792 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	84.20244 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.89124	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06042413350F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12 °C	Detected and Quantified	F	Actual				4/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT67 **Visit Date:** 7/24/2006 12:30 PM
Visit Comment: GEORGE PALMER // // Some clouds, some sun Nice, sunny

Activity: 060724123001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.59	Detected and Quantified	F	Actual				8/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	45.37069 µeq/L	Detected and Quantified	F	Actual				8/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	9.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/9/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	22.02114 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	22.66827 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	36.66934 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	4.59443 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	96.463 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	13.30219 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	19.09549 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	85.95968 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	77.80887 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.90518	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06072412300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	15.5 °C	Detected and Quantified	F	Actual				7/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT67 **Visit Date:** 10/30/2006 11:15 AM
Visit Comment: GEORGE C. PALMER //Stream temp. greater than 10
C //Clear, ~65 F
Some rain

Activity: 061030111501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.3248	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.45	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	43.28218 µeq/L	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	35.31344 µeq/L	Detected and Quantified	F	Actual				11/21/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	10.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	21.00348 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	25.13165 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	35.28577 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	8.25852 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	91.018 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	26.14434 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	19.35326 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	89.68592 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	80.85154 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.9015	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	88.82028 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.99035	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Organization: Shenandoah National Park

Project ID: VTSSS **Station ID:** VT75 **Visit Date:** 1/25/2005 10:30 AM

Visit Comment: SHANE SPITZER // // Cold, cloudy Cold, snow

Activity: 050125103001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.92	Detected and Quantified	F	Actual				1/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	94.3 µeq/L	Detected and Quantified	F	Actual				2/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	23.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		1/27/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	91.317 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_AA_Grab	69.79 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	48.502 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	3.994 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	128.799 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	18.579 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	52.957 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	30.343 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	213.603 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	196.179 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.91843	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05012510300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	0.7 °C	Detected and Quantified	F	Actual				1/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0501251030S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Present <QL	*Present <QL	F	Actual	0.172339614 mg/l	0.548039971 mg/l		4/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.30659.												
Non-filterable Residue	0.76648 mg/l	Detected and Quantified	F	Actual	0.179602815 mg/l	0.571136951 mg/l		4/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: VTSSS **Station ID:** VT75 **Visit Date:** 4/29/2005 12:05 PM
Visit Comment: SHANE SPITZER // // Cool, light misting

Activity: 050429120501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	7.1	Detected and Quantified	F	Actual				5/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	126.2 µeq/L	Detected and Quantified	F	Actual				5/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	26.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/5/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	107.185 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	80.572 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	55.593 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	5.35 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	131.09 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	12.735 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	54.829 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	29.666 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	248.7 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	223.43 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.89839	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05042912050F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9.5 °C	Detected and Quantified	F	Actual				4/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0504291205S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Present <QL	*Present <QL	F	Actual	0.172339614 mg/l	0.548039971 mg/l		7/18/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.35.												
Non-filterable Residue	*Present <QL	*Present <QL	F	Actual	0.179602815 mg/l	0.571136951 mg/l		7/18/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.55.												

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: VTSSS **Station ID:** VT75 **Visit Date:** 7/31/2005 9:15 AM
Visit Comment: SHANE SPITZER // // Hot, sunny Some thunderstorms

Activity: 050731091501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.96	Detected and Quantified	F	Actual				8/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	191.1 µeq/L	Detected and Quantified	F	Actual				8/15/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	32.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/12/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	139.421 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	99.583 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	63.38 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	5.632 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	150.844 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	12.928 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	43.243 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	32.345 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/13/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	308.016 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	279.616 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

IONRATIO_2PT_IC1_AA_GRAB	0.9078	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05073109150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	21 °C	Detected and Quantified	F	Actual				7/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0507310915S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Present <QL	*Present <QL	F	Actual	0.172339614 mg/l	0.548039971 mg/l		9/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.45.												
Non-filterable Residue	1.2 mg/l	Detected and Quantified	F	Actual	0.179602815 mg/l	0.571136951 mg/l		9/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: VTSSS **Station ID:** VT75 **Visit Date:** 10/27/2005 11:20 AM
Visit Comment: JIM ATKINSON // No known contamination, although heavy hiker traffic this time of year. Hydrolab data: pH-7.29, DO-12.76, cond-23.6 // Sunny, clear, mid to upper 40s at sample time Three rain days within the past week-10/21, 10/22 & 10/25

Activity: 051027112001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.77	Detected and Quantified	F	Actual				11/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	138.59826 µeq/L	Detected and Quantified	F	Actual				12/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	26.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	11/3/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	114.51082 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	85.19421 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	52.83692 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	5.45278 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	135.589 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	61.63148 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	28.79001 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	258.00123 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	229.06025 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.88783	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 051027112001 **Activity Type:** Quality Control Sample-Field Replicate **Activity Depth:** **Relative Depth:** **Replicate #:** 1

Custody ID: **Person(s):** **QC Sample?:** Yes

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.79	Detected and Quantified	F	Actual				11/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	136.09853 µeq/L	Detected and Quantified	F	Actual			12/1/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	26.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	11/2/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	115.35464 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	88.86509 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	53.26681 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	4.83199 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	136.817 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	62.64869 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	28.73485 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	262.32503 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	227.52257 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.86733	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

Filtered Results

Activity: 05102711200F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8 °C	Detected and Quantified	F	Actual				10/27/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0510271120S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Present <QL	*Present <QL	F	Actual	0.172339614 mg/l	0.548039971 mg/l		1/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.25.												
Non-filterable Residue	*Present <QL	*Present <QL	F	Actual	0.179602815 mg/l	0.571136951 mg/l		1/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.45.												

Activity: 0510271120S1 **Activity Type:** Quality Control Sample-Field Replicate **Activity Depth:** **Relative Depth:** **Replicate #:** 1
Custody ID: **Person(s):** **QC Sample?:** Yes

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Non-detect	*Non-detect	F	Actual	0.172339614 mg/l	0.548039971 mg/l		1/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.15.												
Non-filterable Residue	*Present <QL	*Present <QL	F	Actual	0.179602815 mg/l	0.571136951 mg/l		1/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.3.												

NPSTORET Results with Comments

Filtered Results

Organization: Shenandoah National Park
Project ID: VTSSS **Station ID:** VT75 **Visit Date:** 1/30/2006
Visit Comment: JIM ATKINSON // // Clear. Mix of warm & cold days, rain Sunday the 29th & Tuesday the 24th.

Activity: 060130999901 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.93	Detected and Quantified	F	Actual				2/7/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	111.84436 µeq/L	Detected and Quantified	F	Actual				2/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	24.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/7/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	98.90958 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	74.2262 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	51.27185 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	4.19707 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	124.434 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	52.75668 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	31.90779 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	228.6112 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	196.54933 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.85975	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06013099990F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	5.5 °C	Detected and Quantified	F	Actual				1/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0601309999S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Non-detect	*Non-detect	F	Actual	0.172339614 mg/l	0.548039971 mg/l		3/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.15.												
Non-filterable Residue	*Present <QL	*Present <QL	F	Actual	0.179602815 mg/l	0.571136951 mg/l		3/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.35.												

Organization: Shenandoah National Park
Project ID: VTSSS **Station ID:** VT75 **Visit Date:** 4/26/2006 4:15 PM
Visit Comment: JIM ATKINSON // // Partly cloudy, cool, mid 60s. Rain during the evening of 4/25/06; rain most of the day 4/22/06.

Activity: 060426161501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.86	Detected and Quantified	F	Actual				5/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	129.20728 µeq/L	Detected and Quantified	F	Actual			5/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	27.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	5/2/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	112.66504 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	85.54743 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	55.68446 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	4.95058 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	142.445 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	3.17682 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	66.66566 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	27.37096 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	258.85401 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	226.42072 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.8747	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06042616150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11.5 °C	Detected and Quantified	F	Actual				4/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0604261615S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Non-detect	*Non-detect	F	Actual	0.172339614 mg/l	0.548039971 mg/l		7/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.												
Non-filterable Residue	*Present <QL	*Present <QL	F	Actual	0.179602815 mg/l	0.571136951 mg/l		7/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.55.												

Organization: Shenandoah National Park
Project ID: VTSSS **Station ID:** VT75 **Visit Date:** 7/27/2006 1:50 PM
Visit Comment: JIM ATKINSON // High use trail, popular for swimming during the summer months. // Hot, humid, mostly sunny now. Hot, humid, some clouds, rain late last week and over the weekend.

Activity: 060727135001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.84	Detected and Quantified	F	Actual				8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	186.52335 µeq/L	Detected and Quantified	F	Actual				8/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	28.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	130.84044 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	92.99119 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	58.20265 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	4.84208 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	143.789 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	42.18589 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	30.62259 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/20/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	286.88286 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	259.37233 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.90411	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06072713500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	22 °C	Detected and Quantified	F	Actual				7/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 0607271350S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	0.65 mg/l	Detected and Quantified	F	Actual	0.172339614 mg/l	0.548039971 mg/l		10/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Non-filterable Residue	1.3 mg/l	Detected and Quantified	F	Actual	0.179602815 mg/l	0.571136951 mg/l		10/5/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: Shenandoah National Park
Project ID: VTSSS **Station ID:** VT75 **Visit Date:** 10/25/2006 3:11 PM
Visit Comment: DAVID DEMAREST
// //Partly cloudy

Activity: 061025151101 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.9672	Detected and Quantified	F	Actual				10/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	7.12	Detected and Quantified	F	Actual				10/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	152.39967 µeq/L	Detected and Quantified	F	Actual				10/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	146.09743 µeq/L	Detected and Quantified	F	Actual				11/16/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	25.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/27/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	106.81843 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	81.28992 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/1/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Na_Ions_Grab	51.08669 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	4.72065 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	128.467 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	1.361 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	45.82006 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	34.08518 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/1/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	243.92219 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	227.36367 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.93212	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	233.66591 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.95795	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06102515110F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8.5 °C	Detected and Quantified	F	Actual				10/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 061025151 1S1 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Volatile Residue	*Non-detect	*Non-detect	F	Actual	0.172339614 mg/l	0.548039971 mg/l		3/15/2007				
Dilution: N *Recovery:* N *Correction:* N												
Result Comment: Reported value of 0.10368.												
Non-filterable Residue	*Non-detect	*Non-detect	F	Actual	0.179602815 mg/l	0.571136951 mg/l		3/15/2007				
Dilution: N *Recovery:* N *Correction:* N												
Result Comment: Reported value of 0.15552.												

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT76 **Visit Date:** 1/26/2005 4:08 PM
Visit Comment: KENNETH HICKMAN // // Slight rain in morning, clear afternoon Snow

Activity: 050126160801 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.99	Detected and Quantified	F	Actual				2/1/2005				
Dilution: N *Recovery:* N *Correction:* N												
ANC_Manual_Grab	8.3 µeq/L	Detected and Quantified	F	Actual				2/20/2005				
Dilution: N *Recovery:* N *Correction:* N												
Cond_VWR_Manual_Grab	11.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/1/2005				
Dilution: N *Recovery:* N *Correction:* Y												
Ca_AA_Grab	11.826 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N *Recovery:* N *Correction:* N												
Mg_AA_Grab	27.406 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N *Recovery:* N *Correction:* N												
Na_AA_Grab	20.054 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N *Recovery:* N *Correction:* N												

K_AA_Grab	24.704 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	93.408 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.064.							
SO4_IC_Grab	54.808 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	18.104 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	6.297 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	83.99 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	81.3125 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.96812	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05012616080F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6 °C	Detected and Quantified	F	Actual				1/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT76 **Visit Date:** 4/26/2005 4:00 PM
Visit Comment: K. HICKMAN // // Partly cloudy, high's mid 60 Warm, low 80's until weekend cold rainy, snow flurries

Activity: 050426160001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.95	Detected and Quantified	F	Actual				5/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	9.4 µeq/L	Detected and Quantified	F	Actual				5/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	12 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/2/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	11.826 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	26.83 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	21.576 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	27.674 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	97.658 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.048.												
SO4_IC_Grab	54.621 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	18.386 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_Grab	6.298 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		4/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_AA_GRAB	87.906 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	82.5075 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.93859	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05042616000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12 °C	Detected and Quantified	F	Actual				4/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT76 **Visit Date:** 7/26/2005 11:25 AM
Visit Comment: KENNETH HICKMAN // // Highs mid 90's; scattered clouds; humidity 50%+ Highs mid to upper 80's with scattered showers

Activity: 050726112501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.93	Detected and Quantified	F	Actual				7/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	12.8 µeq/L	Detected and Quantified	F	Actual				8/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	12.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/29/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	13.323 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	29.463 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	23.316 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_AA_Grab	31.437 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	116.1 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	2.335 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	54.6 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	18.189 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	8.188 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/26/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	97.539 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	87.924 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.90142	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05072611250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	20 °C	Detected and Quantified	F	Actual				7/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT76 **Visit Date:** 10/25/2005 3:10 PM
Visit Comment: H. HUFFMAN // // Cold & drizzly Showers, getting colder

Activity: 051025151001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.93	Detected and Quantified	F	Actual				10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	12.01911 µeq/L	Detected and Quantified	F	Actual				11/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	12.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	11.40619 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	25.47787 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	21.22014 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	28.31232 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	110.871 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	0.35949 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	53.97478 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	19.31689 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_Grab	6.904 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		6/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	86.77601 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC2_GRAB	85.35128 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.98358	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05102515100F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10 °C	Detected and Quantified	F	Actual				10/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT76 **Visit Date:** 1/30/2006 3:35 PM
Visit Comment: H. HUFFMAN // // Sunny, cool

Activity: 060130153501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.96	Detected and Quantified	F	Actual				2/7/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	8.2915 µeq/L	Detected and Quantified	F	Actual				2/17/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	12.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/7/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	12.1116 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	28.32641 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	21.03489 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/29/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_Grab	25.47232 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	92.91 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	55.86577 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	18.15222 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/29/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	5.672 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	86.95172 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	82.34999 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.94708	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06013015350F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8 °C	Detected and Quantified	F	Actual				1/30/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT76 **Visit Date:** 4/26/2006 8:15 AM
Visit Comment: K HICKMAN // // Cloudy, high in 60's Rain on Friday, Saturday, Tuesday evening

Activity: 060426081501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.99	Detected and Quantified	F	Actual				5/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	11.16902 µeq/L	Detected and Quantified	F	Actual				5/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	12.2 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	12.78996 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	29.64816 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	22.59029 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	28.61773 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	94.587 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	0.80843 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	57.61289 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	17.79609 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_Grab	8.117 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		6/21/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_IC2_GRAB	93.65264 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC2_GRAB	87.38643 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.93309	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 06042608150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	13 °C	Detected and Quantified	F	Actual				4/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT76 **Visit Date:** 7/25/2006 11:30 AM
Visit Comment: H. HUFFMAN // // Steady rain Hard to severe T-storms, lots of rain

Activity: 060725113001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.81	Detected and Quantified	F	Actual				8/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	21.16801 µeq/L	Detected and Quantified	F	Actual				8/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	14 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/9/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	15.90835 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	34.21296 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	23.48638 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/19/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_Grab	35.06332 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	116.698 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	1.10422 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	53.25666 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	19.56453 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	12.387 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	108.67751 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	95.09342 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.87501	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06072511300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	20 °C	Detected and Quantified	F	Actual				7/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT76 **Visit Date:** 10/26/2006 8:50 AM
Visit Comment: H. HUFFMAN //
//Cold, clear
Cool, windy

Activity: 061026085001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	5.9695	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	16.89376 µeq/L	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	12.01911 µeq/L	Detected and Quantified	F	Actual				11/21/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	12.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	12.02385 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	29.52938 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	22.85328 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	27.73227 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	105.211 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	0.81766 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	56.65503 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	18.57222 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	8.08 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	92.14528 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	88.06402 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.95571	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	92.93867 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	1.00861	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06102608500F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9 °C	Detected and Quantified	F	Actual				10/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT77 **Visit Date:** 1/26/2005 2:36 PM
Visit Comment: KENNETH HICKMAN // Near A.T. shelter/camping area // Slight rain early to sunny afternoon Snow

Activity: 050126143601 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.38	Detected and Quantified	F	Actual				2/1/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	23.7 µeq/L	Detected and Quantified	F	Actual			2/21/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	13.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	2/1/2005
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_AA_Grab	20.01 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_AA_Grab	35.883 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	31.537 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	23.68 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	6/12/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	94.57 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/2/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.064.							
SO4_IC_Grab	62.712 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	18.499 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	111.11 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	105.0115 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.94511	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05012614360F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6 °C	Detected and Quantified	F	Actual				1/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT77 **Visit Date:** 4/26/2005 11:30 AM
Visit Comment: K. HICKMAN // // Partly cloudy to mostly cloudy, high near 65 High in low 80's, rain over weekend

Activity: 050426113001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.52	Detected and Quantified	F	Actual				5/2/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	30.8 µeq/L	Detected and Quantified	F	Actual				5/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	14.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/2/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	21.806 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	36.706 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	33.495 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	27.008 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	92.545 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		11/16/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.048.												

SO4_IC_Grab	62.317 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_IC_Grab	19.12 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_AA_GRAB	119.015 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC1_GRAB	112.3375 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC1_AA_GRAB	0.94389	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 05042611300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11 °C	Detected and Quantified	F	Actual				4/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT77 **Visit Date:** 7/25/2005 9:35 AM
Visit Comment: KENNETH HICKMAN // // Highs mid 90's; scattered clouds; humidity 50%+ Highs mid to upper 80's with scattered showers

Activity: 050725093501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.59	Detected and Quantified	F	Actual				7/29/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	46.1 µeq/L	Detected and Quantified	F	Actual				8/10/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	16.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		7/29/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	30.04 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Mg_AA_Grab	47.405 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_AA_Grab	36.801 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	29.85 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	108.348 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	62.982 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	17.117 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	12/12/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	144.096 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	126.2995 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.8765	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05072509350F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	21 °C	Detected and Quantified	F	Actual				7/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

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Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT77 **Visit Date:** 10/25/2005 9:15 AM
Visit Comment: H. HUFFMAN // Dead deer above sample site // Cold, snow on ground at site Showers, cooling down

Activity: 051025091501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.54	Detected and Quantified	F	Actual				10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	40.37123 µeq/L	Detected and Quantified	F	Actual				11/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	16 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	25.3699 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	42.56991 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	39.12004 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	27.98914 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	110.075 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/6/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	69.68304 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	19.37924 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_IC2_GRAB	135.05549 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC2_GRAB	129.47401 µeq/L	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC2_GRAB	0.95867	Detected and Quantified	F	Actual				2/18/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05102509150F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10 °C	Detected and Quantified	F	Actual				10/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT77 **Visit Date:** 4/25/2006 1:25 PM
Visit Comment: K HICKMAN // // Clear to partly cloudy, high 70's Rain on Friday and Saturday

Activity: 060425132501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.51	Detected and Quantified	F	Actual				5/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	29.35147 µeq/L	Detected and Quantified	F	Actual				5/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	13.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	20.88511 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	36.27277 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	31.80295 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	26.34065 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	95.168 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	58.84214 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	18.87287 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	115.30798 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	107.10698 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.92888	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06042513250F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	15 °C	Detected and Quantified	F	Actual				4/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT77 **Visit Date:** 7/26/2006 8:40 AM
Visit Comment: K. HICKMAN // // Hot, clear Thunderstorms in area

Activity: 060726084001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.24	Detected and Quantified	F	Actual				8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	63.55448 µeq/L	Detected and Quantified	F	Actual			8/24/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	18.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	8/10/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	34.24233 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	54.25428 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	41.03821 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	32.64396 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	111.502 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	67.31802 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	17.53325 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	162.18528 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	148.44625 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.91529	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

NPSTORET Results with Comments

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Activity: 06072608400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	22 °C	Detected and Quantified	F	Actual				7/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT77 **Visit Date:** 10/26/2006 8:47 AM
Visit Comment: K. HICKMAN //
//Cold, clear
Cool, windy

Activity: 061026084701 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.4354	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.58	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	44.15043 µeq/L	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	37.81321 µeq/L	Detected and Quantified	F	Actual				11/21/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	15.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	23.22056 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	41.12157 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	35.75895 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_Ions_Grab	23.66002 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	99.534 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	0.21746 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	63.43157 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	16.96206 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	123.97856 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	118.24734 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.95377	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	124.58456 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	1.00489	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06102608470F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	6.1 °C	Detected and Quantified	F	Actual				10/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT78 **Visit Date:** 1/26/2005 2:00 PM
Visit Comment: C. KIRK // // P. cloudy, drizzle, 7.5 C Snow, rain, -0 temps.

Activity: 050126140001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.13	Detected and Quantified	F	Actual				2/7/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-6.7 µeq/L	Detected and Quantified	F	Actual				2/23/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	12.3 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/7/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	23.802 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	23.044 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	10.31 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	6.067 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	54.614 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	3.977 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	59.446 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	10.321 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_Grab	75.453 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		4/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
O_AL_TC_Grab	16.539 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		5/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

SBC_AA_GRAB	63.223 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
SAA_2PT_IC1_GRAB	67.044 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	1.06044	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05012614000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	3.5 °C	Detected and Quantified	F	Actual				1/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT78 **Visit Date:** 4/26/2005 9:18 AM
Visit Comment: C. KIRK // // Cloudy, 12 C Snow, rain, cold fronts

Activity: 050426091801 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.2	Detected and Quantified	F	Actual				5/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-8.9 µeq/L	Detected and Quantified	F	Actual				5/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	12.4 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/5/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	24.501 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	22.797 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	10.658 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

K_AA_Grab	6.144 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	51.56 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/9/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	1.578 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_IC_Grab	59.946 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	9.616 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	70.962 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	4/25/2006
Dilution: N	*Recovery:* N	*Correction:* N					
O_AL_TC_Grab	19.027 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	5/23/2006
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	64.1 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	62.24 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.97098	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05042609180F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	7 °C	Detected and Quantified	F	Actual				4/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT78 **Visit Date:** 7/26/2005 11:00 AM
Visit Comment: VDGIF // // Hot, sunny Hot

Activity: 050726110001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.23	Detected and Quantified	F	Actual				8/4/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-3.1 µeq/L	Detected and Quantified	F	Actual				8/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	12.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/4/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	28.343 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	23.702 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	14.877 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	6.861 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	64.342 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	3.429 µeq/L	Detected and Quantified	F	Actual	0.201 ueq/L	0.639 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_IC_Grab	59.051 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	11.59 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_Grab	44.39 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		4/26/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	73.783 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	70.97 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.96187	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05072611000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	18.5 °C	Detected and Quantified	F	Actual				7/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT78 **Visit Date:** 10/26/2005 9:45 AM
Visit Comment: GEORGE PALMER // No hummis in creek // 8 degrees air temp.

Activity: 051026094501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.8	Detected and Quantified	F	Actual				10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	8.66927 µeq/L	Detected and Quantified	F	Actual				11/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	14.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	25.2911 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	26.9805 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	20.40042 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	35.44725 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/13/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	63.777 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	72.58785 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	15.04604 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/13/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	32.282 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	108.12577 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	96.34366 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.89103	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05102609450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	9 °C	Detected and Quantified	F	Actual				10/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT78 **Visit Date:** 1/25/2006 2:45 PM
Visit Comment: GEORGE PALMER // // Cloudy/snow flurries. Rainy/cloudy.

Activity: 060125144501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	4.97	Detected and Quantified	F	Actual				2/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-10.47861 µeq/L	Detected and Quantified	F	Actual				2/14/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	14.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/6/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	28.03541 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	22.91666 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	9.8931 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	6.51089 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	51.809 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		6/14/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	0.15071 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	63.61417 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	11.79014 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_Grab	87.802 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		6/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

O_AL_TC_Grab	25.255 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		7/18/2007			
Dilution: N	*Recovery:* N	*Correction:* N									
SBC_IC2_GRAB	67.50677 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_2PT_IC2_GRAB	64.9662 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_GRAB	0.96237	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Activity: 06012514450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	5 °C	Detected and Quantified	F	Actual				1/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT78 **Visit Date:** 4/25/2006 9:45 AM
Visit Comment: GEORGE PALMER // // Clear, sunny, air temp. 25 C Some rain, clouds, some sun

Activity: 060425094501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	5.05	Detected and Quantified	F	Actual				5/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-8.82895 µeq/L	Detected and Quantified	F	Actual				5/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	12.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	25.6424 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	21.33461 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Na_Ions_Grab	10.55378 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	5.84552 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	50.464 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/24/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	0.12488 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	59.17913 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	10.82607 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	66.523 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	6/21/2007
Dilution: N	*Recovery:* N	*Correction:* N					
O_AL_TC_Grab	21.241 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	63.50119 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	61.21675 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.96403	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06042509450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	11 °C	Detected and Quantified	F	Actual				4/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT78 **Visit Date:** 7/27/2006 10:39 AM
Visit Comment: GEORGE PALMER // // Sunny, hot Hot, some storms - limited

Activity: 060727103901 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	4.99	Detected and Quantified	F	Actual				8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-10.77565 µeq/L	Detected and Quantified	F	Actual				8/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	13.5 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/10/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	29.77643 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	20.71869 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	11.22696 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	4.27041 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	57.702 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/26/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SO4_Ions_Grab	62.04876 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_Ions_Grab	10.98879 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L		7/20/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
T_AL_TC_Grab	76.577 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		6/28/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

O_AL_TC_Grab	30.61 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l		7/18/2007			
Dilution: N	*Recovery:* N	*Correction:* N									
SBC_IC2_GRAB	65.99899 µeq/L	Detected and Quantified	F	Actual				2/6/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
SAA_2PT_IC2_GRAB	62.3024 µeq/L	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									
IONRATIO_2PT_IC2_GRAB	0.94399	Detected and Quantified	F	Actual				2/18/2008			
Dilution: N	*Recovery:* N	*Correction:* N									

Activity: 06072710390F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	17 °C	Detected and Quantified	F	Actual				7/27/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT78 **Visit Date:** 10/26/2006 2:15 PM
Visit Comment: VDGIF //
//Cloudy, cool
Cold, wet, windy

Activity: 061026141501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	5.2398	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	5.28	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	3.44721 µeq/L	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	-3.82946 µeq/L	Detected and Quantified	F	Actual				11/21/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Cond_VWR_Manual_Grab	13.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	11/3/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	28.48666 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	23.98459 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	19.03445 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	8.53929 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	91.267 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	8/8/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	0.21669 µeq/L	Detected and Quantified	F	Actual	0.013 ueq/L	0.04 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	63.90851 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	19.53884 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
T_AL_TC_Grab	64.466 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/10/2007
Dilution: N	*Recovery:* N	*Correction:* N					
O_AL_TC_Grab	27.179 µg/l	Detected and Quantified	F	Actual	1.524 ug/l	4.845 ug/l	7/18/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	80.26168 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	79.65839 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.99248	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	86.93506 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

IONRATIO_MET_IC2_GRAB	1.08315	Detected and Quantified	F	Actual				4/23/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT81 **Visit Date:** 1/26/2005 11:00 AM
Visit Comment: C. KIRK // // P. cloudy, a little warmer, 8 C Snow, rain, -0 temps.

Activity: 050126110001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.4	Detected and Quantified	F	Actual				2/7/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	32.1 µeq/L	Detected and Quantified	F	Actual				2/23/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	8.6 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		2/7/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	17.016 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	20.328 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	33.016 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	5.222 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		6/12/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	86.735 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/2/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.048.												
SO4_IC_Grab	18.325 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		11/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Cl_IC_Grab	19.063 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		11/9/2005
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_AA_GRAB	75.582 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC1_GRAB	69.5885 µeq/L	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC1_AA_GRAB	0.9207	Detected and Quantified	F	Actual				2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 05012611000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	4.5 °C	Detected and Quantified	F	Actual				1/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT81 **Visit Date:** 4/25/2005 11:45 AM
Visit Comment: GEORGE PALMER // // Clear Some clouds and rain

Activity: 050425114501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.51	Detected and Quantified	F	Actual				5/5/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	32.8 µeq/L	Detected and Quantified	F	Actual				5/9/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	8.9 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/5/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	18.712 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	22.221 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

Na_AA_Grab	32.495 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_AA_Grab	5.299 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L	5/22/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	81.34 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	3/3/2006
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Result Comment: Reported value of 0.048.							
SO4_IC_Grab	18.845 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_IC_Grab	19.091 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L	11/16/2005
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_AA_GRAB	78.727 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC1_GRAB	70.8365 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC1_AA_GRAB	0.89977	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05042511450F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	8.9 °C	Detected and Quantified	F	Actual				4/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT81 **Visit Date:** 7/26/2005 8:00 AM
Visit Comment: VDGIF // // Hot, sunny Hot

Activity: 050726080001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.2	Detected and Quantified	F	Actual				8/3/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	33.6 µeq/L	Detected and Quantified	F	Actual				8/11/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	9.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/3/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_AA_Grab	20.21 µeq/L	Detected and Quantified	F	Actual	1.269 ueq/L	4.037 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_AA_Grab	24.114 µeq/L	Detected and Quantified	F	Actual	0.578 ueq/L	1.84 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_AA_Grab	33.147 µeq/L	Detected and Quantified	F	Actual	0.71 ueq/L	2.257 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_AA_Grab	4.966 µeq/L	Detected and Quantified	F	Actual	0.249 ueq/L	0.792 ueq/L		5/22/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	88.495 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		3/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_IC_Grab	*Non-detect	*Non-detect	F	Actual	0.201 ueq/L	0.639 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Result Comment: Reported value of 0.048.												
SO4_IC_Grab	19.947 µeq/L	Detected and Quantified	F	Actual	1.021 ueq/L	3.248 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cl_IC_Grab	18.753 µeq/L	Detected and Quantified	F	Actual	0.569 ueq/L	1.808 ueq/L		12/12/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
SBC_AA_GRAB	82.437 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

SAA_2PT_IC1_GRAB	72.4005 µeq/L	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										
IONRATIO_2PT_IC1_AA_GRAB	0.87825	Detected and Quantified	F	Actual				2/6/2008				
Dilution: N	*Recovery:* N	*Correction:* N										

Activity: 05072608000F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	15 °C	Detected and Quantified	F	Actual				7/26/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT81 **Visit Date:** 10/25/2005 2:55 PM
Visit Comment: W.B. KITTRELL // // Cold, partly cloudy, windy Warm, some rain

Activity: 051025145501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.52	Detected and Quantified	F	Actual				10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	40.37123 µeq/L	Detected and Quantified	F	Actual				11/28/2005				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	9.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		10/31/2005				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	18.33248 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	21.91979 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	37.41069 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	6.96516 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		6/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SiO2_TC_Grab	96.214 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/6/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	16.13184 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	19.24258 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/12/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	84.63462 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	75.78615 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.89545	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 05102514550F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	10 °C	Detected and Quantified	F	Actual				10/25/2005				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT81 **Visit Date:** 1/25/2006 11:40 AM
Visit Comment: GEORGE PALMER // // Clear, windy Rainy, windy

Activity: 060125114001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.45	Detected and Quantified	F	Actual				2/6/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

ANC_Manual_Grab	33.61005 µeq/L	Detected and Quantified	F	Actual			2/14/2006
Dilution: N	*Recovery:* N	*Correction:* N					
Cond_VWR_Manual_Grab	8.8 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm	2/6/2006
Dilution: N	*Recovery:* N	*Correction:* Y					
Ca_Ions_Grab	18.71608 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	22.8319 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	33.59458 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	5.22061 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	86.801 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	6/14/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	21.39017 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	19.12238 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	6/28/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	80.36967 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	74.1631 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.92277	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06012511400F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	5 °C	Detected and Quantified	F	Actual				1/25/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT81 **Visit Date:** 4/24/2006 1:30 PM
Visit Comment: GEORGE PALMER // // Some clouds, some rain Rain, cloudy

Activity: 060424133001 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.6	Detected and Quantified	F	Actual				5/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	47.0156 µeq/L	Detected and Quantified	F	Actual				5/11/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	9.7 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		5/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	24.00037 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	24.82497 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	37.66987 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	6.33577 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	86.951 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		7/24/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		7/12/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L	7/12/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
SO4_Ions_Grab	16.15687 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/12/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
Cl_Ions_Grab	19.20831 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/12/2007	
Dilution: N	*Recovery:* N	*Correction:* N						
SBC_IC2_GRAB	92.83748 µeq/L	Detected and Quantified	F	Actual			2/6/2008	
Dilution: N	*Recovery:* N	*Correction:* N						
SAA_2PT_IC2_GRAB	82.42128 µeq/L	Detected and Quantified	F	Actual			2/18/2008	
Dilution: N	*Recovery:* N	*Correction:* N						
IONRATIO_2PT_IC2_GRAB	0.8878	Detected and Quantified	F	Actual			2/18/2008	
Dilution: N	*Recovery:* N	*Correction:* N						

Activity: 06042413300F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	12 °C	Detected and Quantified	F	Actual				4/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT81 **Visit Date:** 7/24/2006 12:35 PM
Visit Comment: GEORGE PALMER // // Sun, clouds Sun, clouds

Activity: 060724123501 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Manual_Grab	6.56	Detected and Quantified	F	Actual				8/9/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	44.39781 µeq/L	Detected and Quantified	F	Actual				8/23/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	9.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		8/9/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										

Ca_Ions_Grab	21.60738 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Mg_Ions_Grab	22.69636 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Na_Ions_Grab	36.72678 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
K_Ions_Grab	4.57572 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SiO2_TC_Grab	96.678 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L	7/26/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
NO3_Ions_Grab	0.44688 µeq/L	Detected and Quantified	F	Actual	0.081 ueq/L	0.258 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SO4_Ions_Grab	13.30466 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	19.16129 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	7/19/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	85.61274 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	77.31064 µeq/L	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.90303	Detected and Quantified	F	Actual			2/18/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Activity: 06072412350F **Activity Type:** Field Msr/Obs **Activity Depth:** **Relative Depth:** **Replicate #:**

Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
Temp_Water_C	15 °C	Detected and Quantified	F	Actual				7/24/2006				
Dilution: N	*Recovery:* N	*Correction:* N										

NPSTORET Results with Comments

Filtered Results

Organization: University of Virginia non-NPS watersheds
Project ID: VTSSS **Station ID:** VT81 **Visit Date:** 10/30/2006 11:14 AM
Visit Comment: GEORGE C. PALMER //Stream temp. less than 10
C //Clear, ~65 F
Some rain

Activity: 061030111401 **Activity Type:** Sample-Routine **Activity Depth:** **Relative Depth:** **Replicate #:**
Custody ID: **Person(s):** **QC Sample?:** No

Local Name	Result	Detection Condition	Value Status	Value Type	Detection Limit	Lower Quant Limit	Upper Quant Limit	Analysis Date/Time	Prec.	Con. Level	Bias	#
pH_Metrohm_Grab	6.3234	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
pH_Manual_Grab	6.47	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Metrohm_Grab	43.14592 µeq/L	Detected and Quantified	F	Actual				11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
ANC_Manual_Grab	33.66675 µeq/L	Detected and Quantified	F	Actual				11/21/2006				
Dilution: N	*Recovery:* N	*Correction:* N										
Cond_VWR_Manual_Grab	10.1 µS/cm	Detected and Quantified	F	Actual	0.162 uS/cm	0.515 uS/cm		11/3/2006				
Dilution: N	*Recovery:* N	*Correction:* Y										
Ca_Ions_Grab	20.94535 µeq/L	Detected and Quantified	F	Actual	0.468 ueq/L	1.488 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Mg_Ions_Grab	24.94003 µeq/L	Detected and Quantified	F	Actual	0.218 ueq/L	0.694 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
Na_Ions_Grab	35.39737 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.091 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
K_Ions_Grab	8.29585 µeq/L	Detected and Quantified	F	Actual	0.029 ueq/L	0.092 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
SiO2_TC_Grab	91.217 µmol/L	Detected and Quantified	F	Actual	1.051 umol/L	3.342 umol/L		8/8/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NH4_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.013 ueq/L	0.04 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										
NO3_Ions_Grab	*Non-detect	*Non-detect	F	Actual	0.081 ueq/L	0.258 ueq/L		8/2/2007				
Dilution: N	*Recovery:* N	*Correction:* N										

SO4_Ions_Grab	26.10867 µeq/L	Detected and Quantified	F	Actual	0.31 ueq/L	0.986 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
Cl_Ions_Grab	19.36676 µeq/L	Detected and Quantified	F	Actual	0.076 ueq/L	0.242 ueq/L	8/2/2007
Dilution: N	*Recovery:* N	*Correction:* N					
SBC_IC2_GRAB	89.5851 µeq/L	Detected and Quantified	F	Actual			2/6/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_2PT_IC2_GRAB	79.18268 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_2PT_IC2_GRAB	0.88388	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
SAA_MET_IC2_GRAB	88.66185 µeq/L	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					
IONRATIO_MET_IC2_GRAB	0.98969	Detected and Quantified	F	Actual			4/23/2008
Dilution: N	*Recovery:* N	*Correction:* N					

Results filtered for:
Organization = SHEN: Shenandoah National Park
UVAVTSSS: University of Virginia non-NPS watersheds
Station = Include Trip QC And All Station Visit Results
Exclude Analytical Groups
Date (>=1/1/2005 and <=12/31/2006)
Value Status <> Rejected

Total Number of Results Detailed: 26415